

APPENDIX A: US 58 ARTERIAL PRESERVATION PLAN RECOMMENDATIONS

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HALIFAX COUNTY LINE

BRUNSWICK COUNTY LINE

US 58 Arterial Preservation Plan Figure 1 Intersections & Median Crossovers Mecklenburg County

I-# - Intersection #
C-# - Crossover #

Intersection 1: Pooles Mill Rd with US 58
Recommendation: Lengthen all existing turn lanes and construct eastbound right-turn lane on US 58.
Cost: \$0.5M to \$0.8M

Intersection 2: Carters Point Rd with US 58
Recommendation: Lengthen all existing turn lanes on US 58.
Cost: \$0.5M to \$0.8M

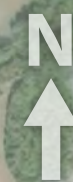
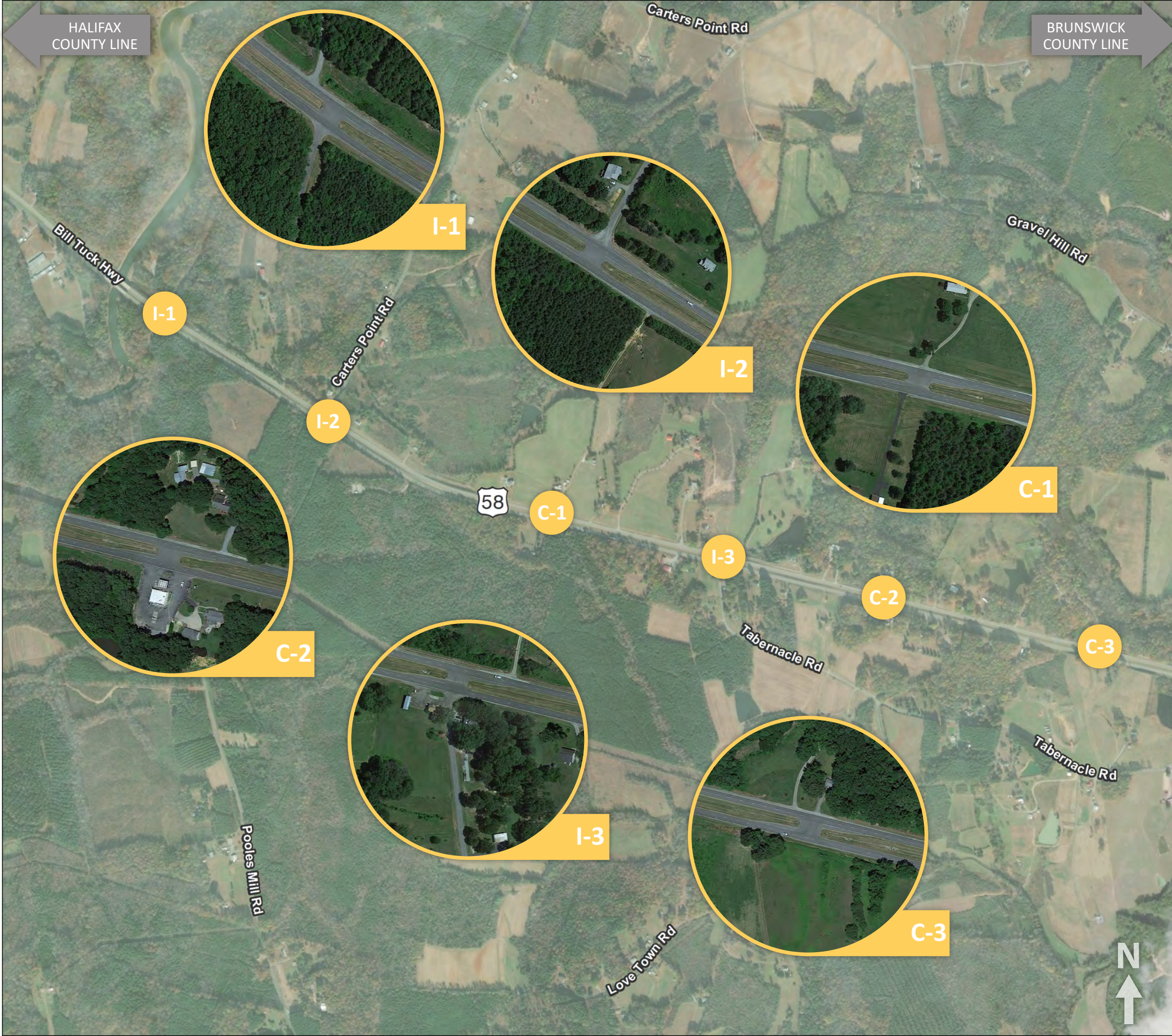
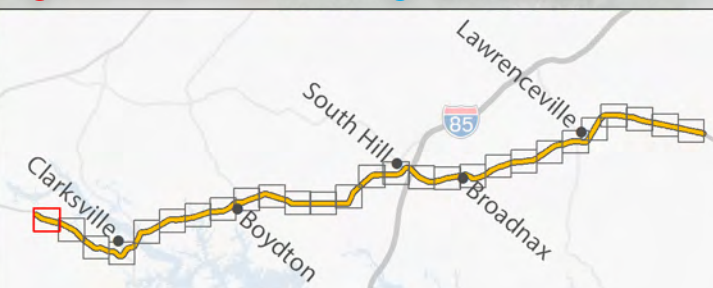
Crossover 1:
Recommendation: Lengthen all existing left-turn lanes on US 58.
Cost: \$0.4M to \$0.5M

Intersection 3: Tabernacle Rd with US 58
Recommendation: Lengthen all existing turn lanes on US 58. Construct eastbound right turn lane on US58.
Cost: \$0.5M to \$0.8M

Crossover 2:
Recommendation: Lengthen all existing left-turn lanes on US 58.
Cost: \$0.4M to \$0.5M

Crossover 3:
Recommendation: Lengthen all existing left-turn lanes on US 58.
Cost: \$0.4M to \$0.5M

● No Recommendation
● Recommended Removal
● Minor Improvement
● Major Improvement



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US 58 Arterial Preservation Plan Figure 2 Intersections & Median Crossovers Mecklenburg County

I-# - Intersection #
C-# - Crossover #

Intersection 4: Tabernacle Rd with US 58
Recommendation: Reconfigure intersection to directional median permitting left turns and U-Turns from westbound US 58. Lengthen existing westbound left-turn lane and construct eastbound right-turn lane on US 58
Cost: \$0.4M to \$0.6M

Intersection 5: Buffalo Springs Rd with US 58
Recommendation: Reconfigure intersection to directional median permitting left turns and U-Turns from eastbound US 58. Lengthen existing eastbound left-turn and westbound right-turn lanes on US 58
Cost: \$0.4M to \$0.6M

Intersection 6: Hite Dr with US 58
Recommendation: Lengthen all existing turn lanes and construct eastbound right-turn lane on US 58.
Cost: \$0.5M to \$0.8M

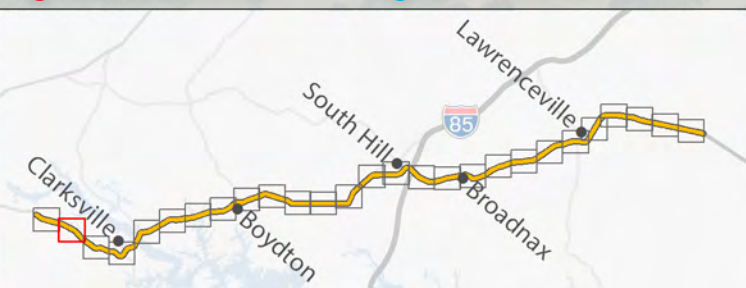
Intersection 7: Lake Ridge Dr with US 58
Recommendation: Lengthen all existing turn lanes and construct westbound right-turn lane on US 58.
Cost: \$0.5M to \$0.8M

Intersection 8: Cherry Hill Church Rd with US 58
Recommendation: Reconfigure intersection to directional median permitting left turns and U-Turns from westbound US 58. Lengthen existing westbound left-turn lane and construct eastbound right-turn lane on US 58
Cost: \$0.4M to \$0.6M

Intersection 9: Bull Rd with US 58
Recommendation: Lengthen all existing turn lanes and construct right-turn lanes on US 58.
Cost: \$0.6M to \$1.0M

Crossover 4:
Recommendation: Lengthen all existing turn lanes on US 58. Consolidate access along eastbound US 58.
Cost: \$0.5M to \$0.7M

● No Recommendation
● Recommended Removal
● Minor Improvement
● Major Improvement



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US 58 Arterial Preservation Plan Figure 3 Intersections & Median Crossovers Mecklenburg County

I-# - Intersection #
C-# - Crossover #

Crossover 5:
Recommendation: Lengthen all existing left-turn lanes on US 58.
Cost: \$0.4M to \$0.5M

Crossover 6:
Recommendation: Lengthen all existing left-turn lanes on US 58.
Cost: \$0.4M to \$0.5M

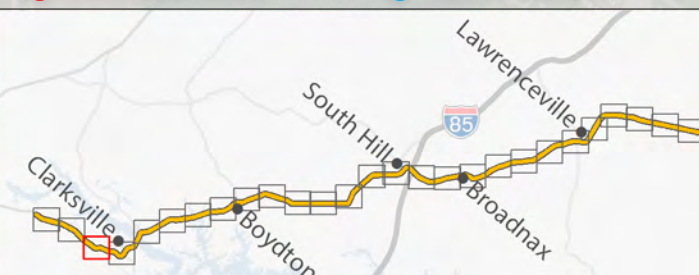
Crossover 7:
Recommendation: Reconfigure crossover to directional median to permit lefts in only from eastbound US 58. Construct westbound right-turn lane on US 58.
Cost: \$0.4M to \$0.5M

Intersection 10: Clarksville Rd with US 58
Recommendation: Lengthen all existing turn lanes and construct eastbound right-turn lane on US 58.
Cost: \$0.5M to \$0.8M

Intersection 11: Sandy Fork Rd with US 58
Recommendation: Reconfigure crossover to directional median to permit lefts in only from westbound US 58. Construct eastbound right-turn lane on US 58.
Cost: \$0.5M to \$0.7M

Intersection 12: Pen Rd with US 58
Recommendation: Lengthen existing eastbound left-turn lane and construct right-turn lane on US 58.
Cost: \$0.4M to \$0.7M

● No Recommendation
● Recommended Removal
● Minor Improvement
● Major Improvement



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US 58 Arterial Preservation Plan Figure 4 Intersections & Median Crossovers Mecklenburg County

I-# - Intersection #
C-# - Crossover #

Crossover 8:
Recommendation: Remove crossover.
Cost: \$0.2M to \$0.3M

Intersection 13: Greenhouse Dr with US 58
Recommendation: No Recommendation
Cost: Not Applicable

Intersection 14: Virginia Ave with US 58
Recommendation: See Figure 5
Cost: \$1.1M to \$1.4M



C-8

I-13

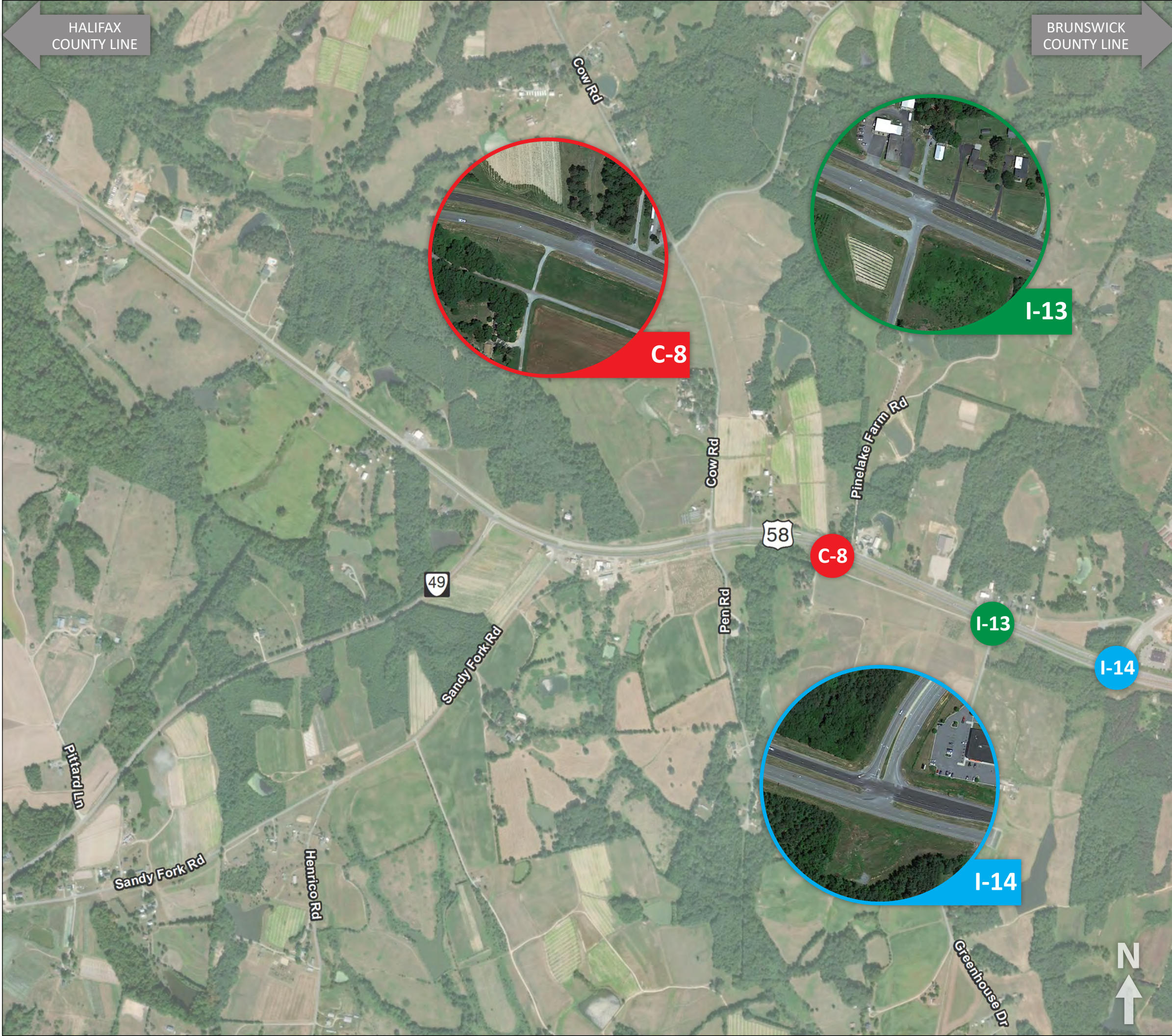
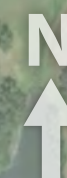
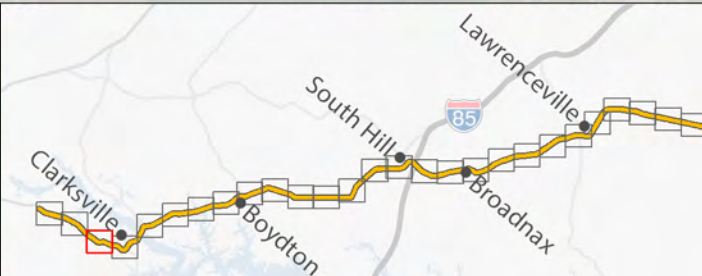
C-8

I-13

I-14

I-14

● No Recommendation
● Recommended Removal
● Minor Improvement
● Major Improvement



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Route 58 Arterial Management Plan Figure 5 Intersection #14: US 58 and Virginia Ave Mecklenburg County

Recommendation: Reconfigure main intersection of US 58 and Virginia Ave to Continuous Green-T (CGT). Reconstruct existing turn-lanes on US 58 to VDOT Design Standards. Improvements are required at Intersection 15, Noblin Farm Rd and US 58.

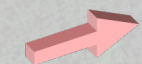
ROW Impacts: All improvements are within the ROW

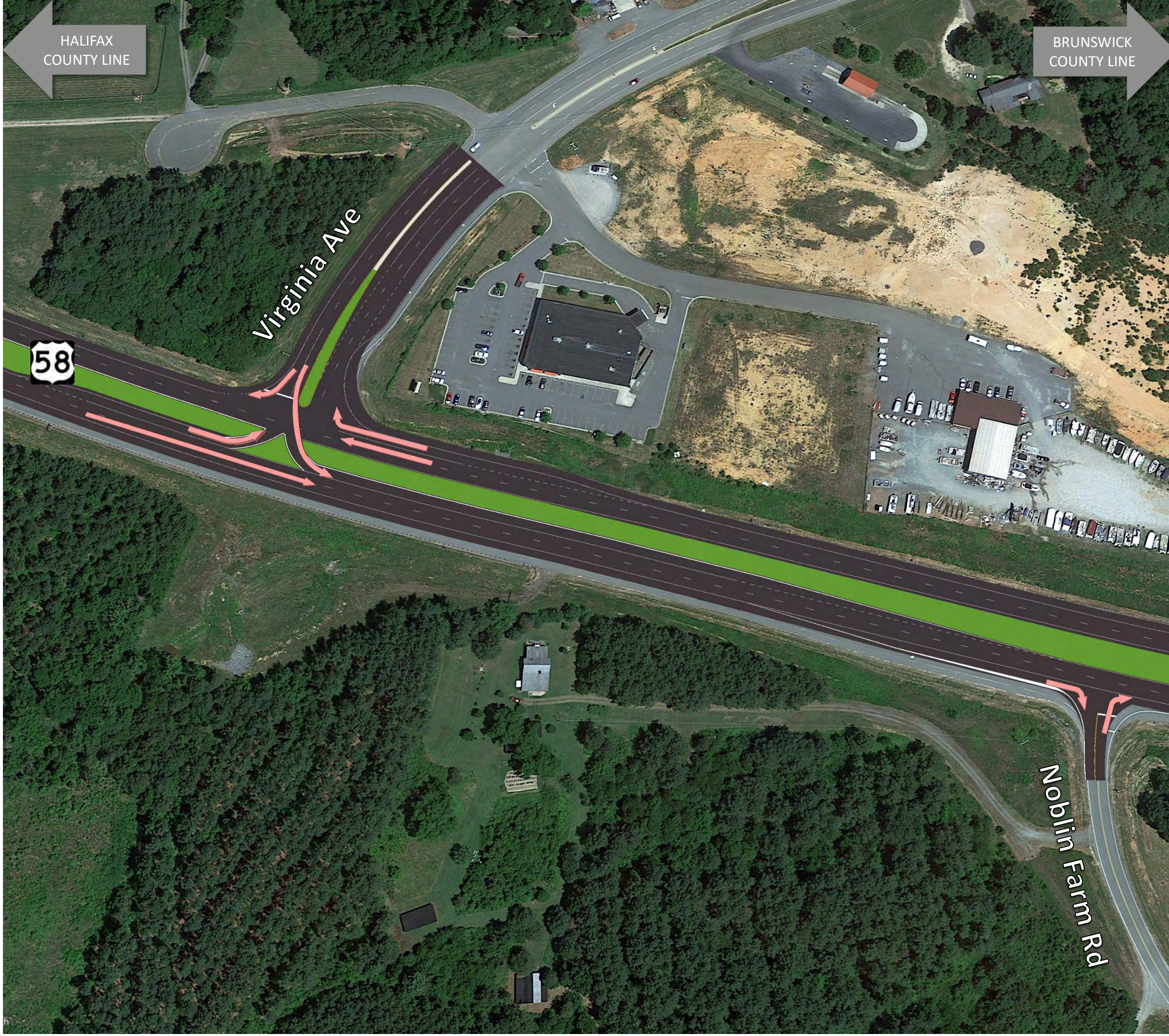
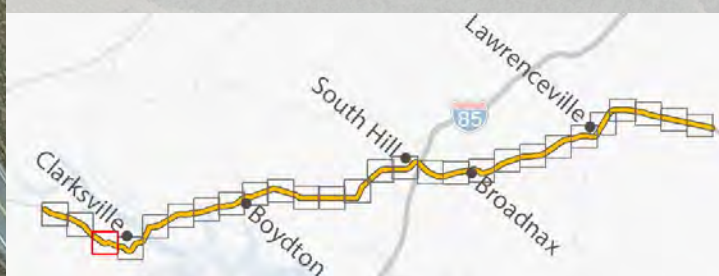
Improvement Type: Safety, Travel Time Preservation

Traffic Operations & Safety:

- Traffic Operations** Reduced delay times for vehicles traveling eastbound on US 58 from Virginia Ave
- Safety** Reduced conflict points where vehicles cross paths. Reduced risk of angle crashes from Virginia Ave onto US 58

Cost: \$1.1M to \$1.4M

 Standard Movements



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US 58 Arterial Preservation Plan Figure 6 Intersections & Median Crossovers Mecklenburg County

I-# - Intersection #
C-# - Crossover #

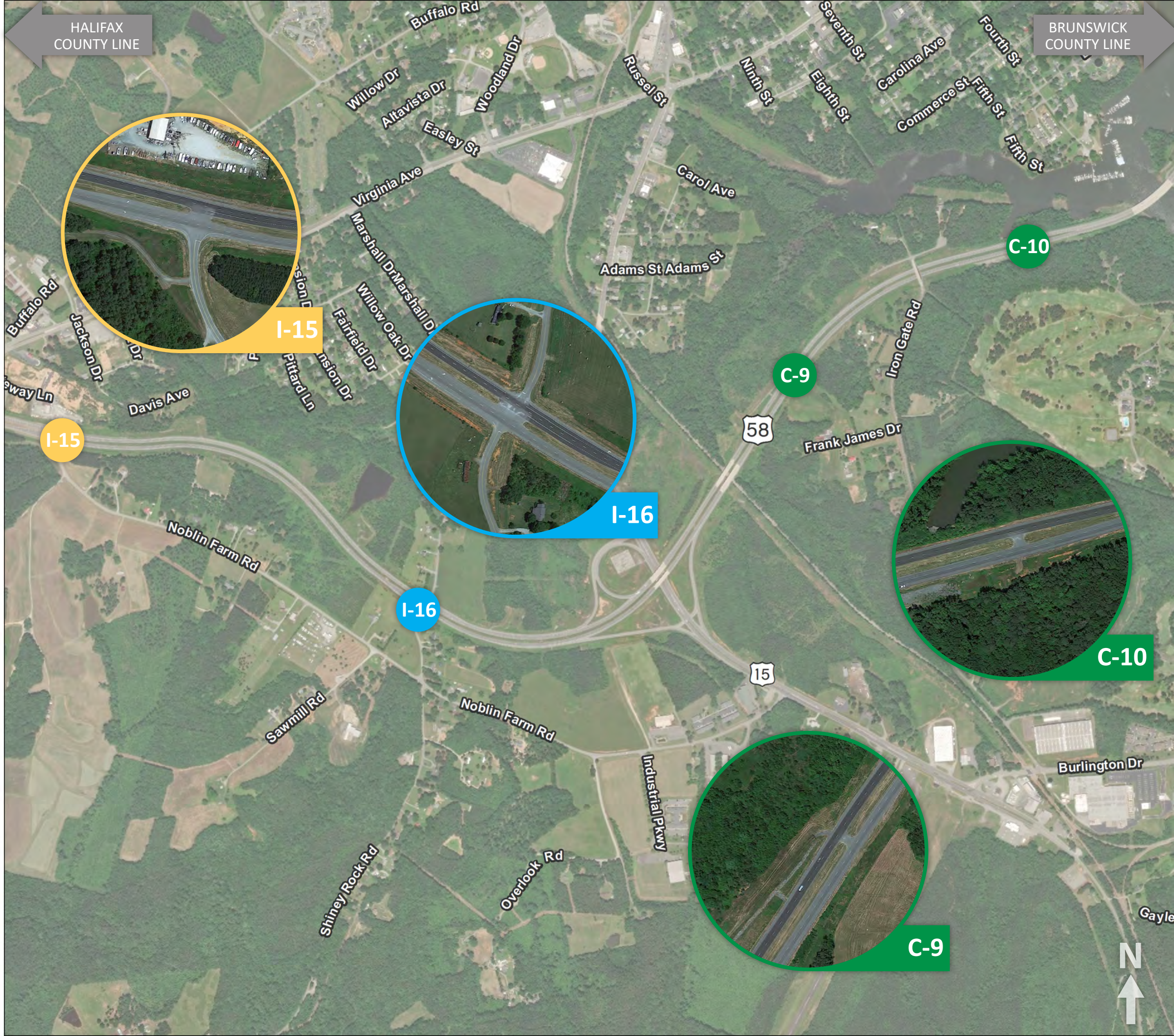
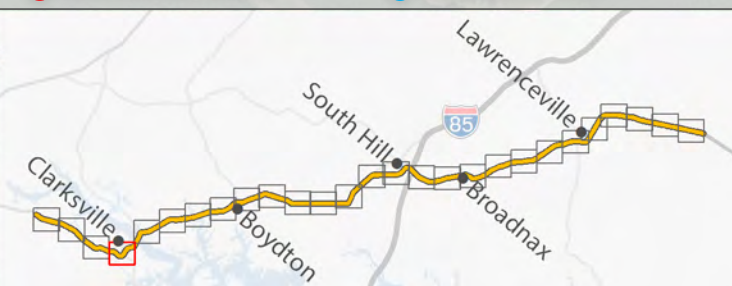
Intersection 15: Noblin Farm Rd with US 58
Recommendation: Reconfigure intersection to right-in/right out only.
Cost: \$0.1M to \$0.2M

Intersection 16: Shiney Rock Rd with US 58
Recommendation: Reconfigure intersection to directional median to permit lefts in from eastbound and westbound US 58.
Cost: \$0.3M to \$0.4M

Crossover 9:
Recommendation: No recommendation
Cost: Not Applicable

Crossover 10:
Recommendation: No recommendation
Cost: Not Applicable

● No Recommendation
● Recommended Removal
● Minor Improvement
● Major Improvement



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US 58 Arterial Preservation Plan Figure 7 Intersections & Median Crossovers Mecklenburg County

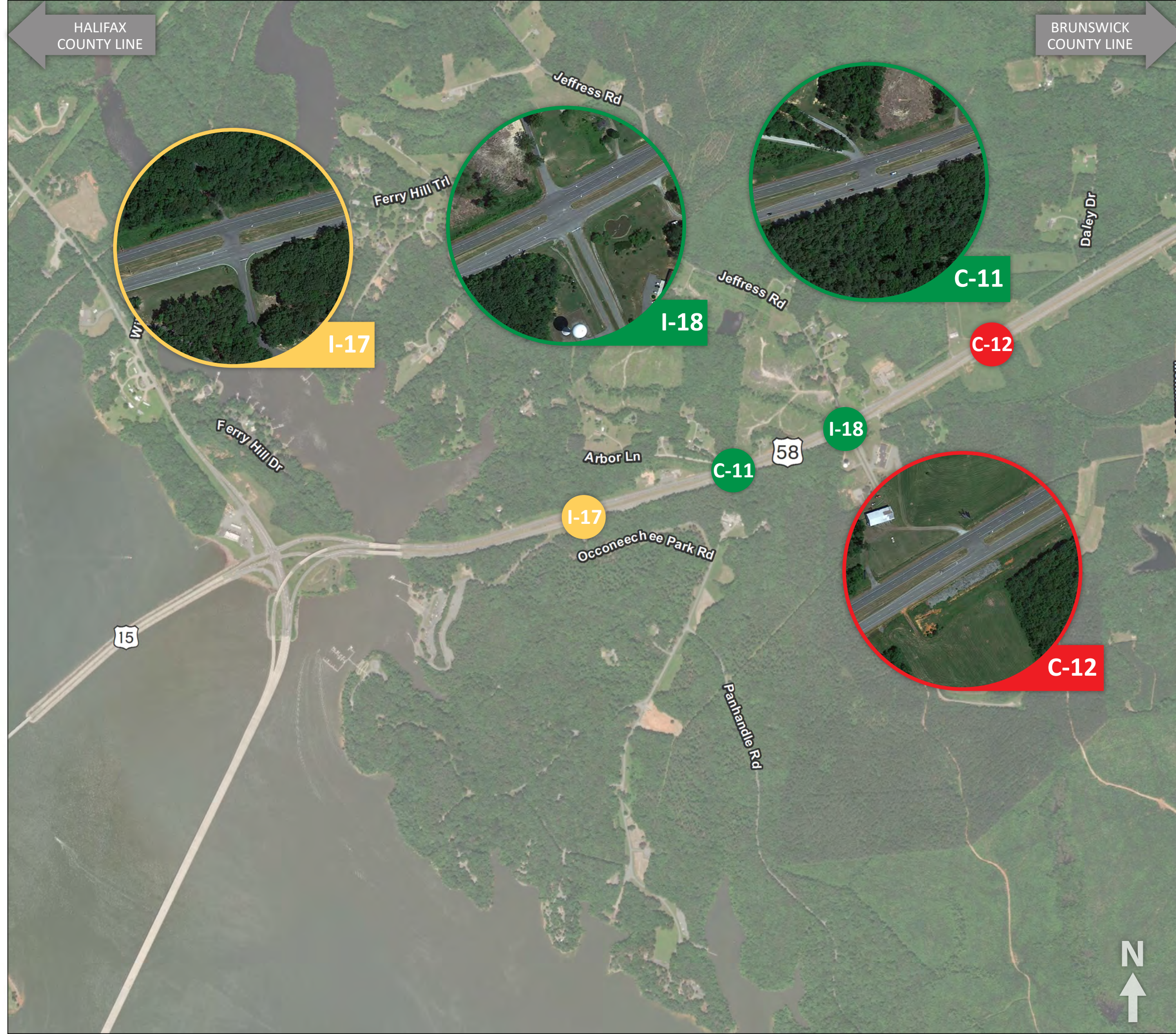
I-# - Intersection #
C-# - Crossover #

Intersection 17: Occoneechee Park Rd with US 58
Recommendation: Lengthen existing eastbound right turn lane on US 58.
Cost: Not Applicable

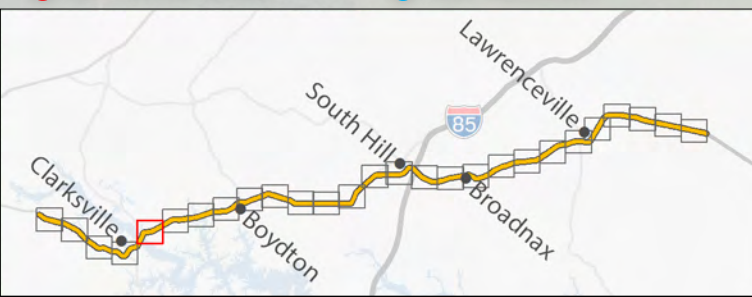
Crossover 11:
Recommendation: Construct westbound right turn lane on US 58.
Cost: \$0.3M to \$0.4M

Intersection 18: Commerce Dr with US 58
Recommendation: No recommendation
Cost: Not Applicable

Crossover 12:
Recommendation: Remove Crossover
Cost: \$0.2M to \$0.3M



● No Recommendation
● Recommended Removal
● Minor Improvement
● Major Improvement



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US 58 Arterial Preservation Plan Figure 8 Intersections & Median Crossovers Mecklenburg County

I-# - Intersection #
C-# - Crossover #

Intersection 19: Tower Rd with US 58
Recommendation: Reconfigure crossover to directional median to permit lefts in only from westbound US 58. Construct westbound right-turn lane on US 58.
Cost: \$1.1M to \$1.3M

Intersection 20: Chandler Rd with US 58
Recommendation: No recommendation
Cost: Not Applicable

Intersection 21: New Liberty Church Rd with US 58
Recommendation: Reconfigure intersection to right-in/right-out only.
Cost: \$0.3M to \$0.4M

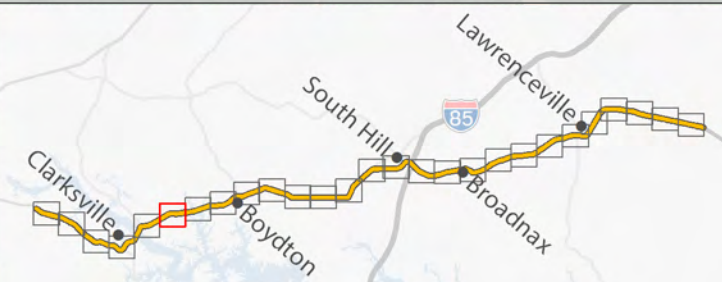
Intersection 22: Puryears Store Rd with US 58
Recommendation: No recommendation
Cost: Not Applicable

Intersection 23: Wilkerson Rd with US 58
Recommendation: No recommendation
Cost: Not Applicable

Crossover 13:
Recommendation: No recommendation
Cost: Not Applicable

Crossover 14:
Recommendation: Remove crossover
Cost: Not Applicable

● No Recommendation
● Recommended Removal
● Minor Improvement
● Major Improvement



I-19



I-20



I-21

I-22

I-22

I-23

C-13

C-14



I-23



C-13



C-14



I-22



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US 58 Arterial Preservation Plan Figure 9 Intersections & Median Crossovers Mecklenburg County

I-# - Intersection #
C-# - Crossover #

Crossover 15:
Recommendation: No recommendation
Cost: Not Applicable

Intersection 24: Rogers Rd with US 58
Recommendation: No recommendation
Cost: Not Applicable

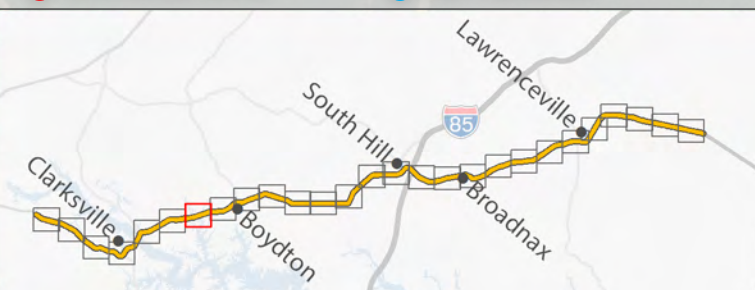
Crossover 16:
Recommendation: No recommendation
Cost: Not Applicable

Intersection 25: Rudds Creek Recreation Area
Recommendation: Lengthen existing westbound right-turn lane on US 58.
Cost: \$0.1M to \$0.2M

Crossover 17:
Recommendation: No recommendation
Cost: Not Applicable

Intersection 26: Rochichi Dr with US 58
Recommendation: No recommendation
Cost: Not Applicable

● No Recommendation ● Minor Improvement
● Recommended Removal ● Major Improvement



C-15



I-24



C-16

C-17

I-26



I-26



C-17



I-25

I-25

C-16

58

C-15

I-24

Rogers Rd

Rochichi Dr



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US 58 Arterial Preservation Plan Figure 10 Intersections & Median Crossovers Mecklenburg County

I-# - Intersection #
C-# - Crossover #

Crossover 18:
Recommendation: No recommendation
Cost: Not Applicable

Intersection 27: Mayfield Dr with US 58
Recommendation: Reconfigure intersection to restricted crossing U-turn (RCUT). Construct U-turn area west of main intersection.
Cost: \$3.5M to \$4.6M

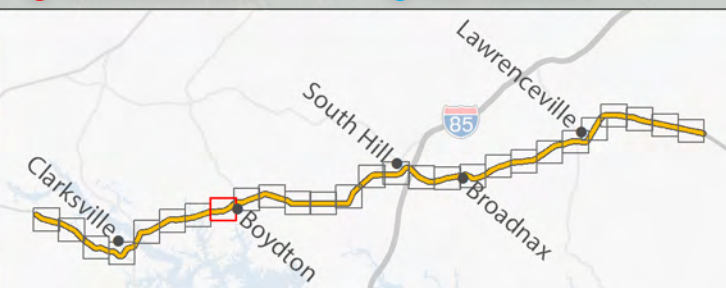
Intersection 28: Jefferson St with US 58
Recommendation: Reconfigure intersection to restricted crossing U-turn (RCUT). Reconfigure Crossover #19 to U-turn area.
Cost: \$2.2M to \$3.1M

Crossover 19:
Recommendation: Reconfigure crossover to U-turn area for Intersection #28. Permit eastbound US 58 left-turn movements.
Cost: See Intersection 28: Jefferson St with US 58

Crossover 20:
Recommendation: Reconfigure crossover to directional median to permit lefts in only from eastbound US 58.
Cost: \$0.3M to \$0.4M

Intersection 29: Skipwith Rd with US 58
Recommendation: Reconfigure intersection to restricted crossing U-turn (RCUT). Construct U-turn area east and west of main intersection.
Cost: \$1.1M to \$1.6M

● No Recommendation
● Recommended Removal
● Minor Improvement
● Major Improvement



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US 58 Arterial Preservation Plan Figure 11 Intersections & Median Crossovers Mecklenburg County

I-# - Intersection #
C-# - Crossover #

Intersection 30: Washington St with US 58
Recommendation: See Figure 12
Cost: \$1.2M to \$1.9M

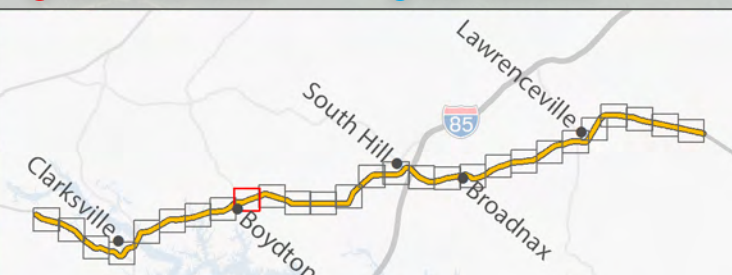
Intersection 31: US 58 BUS (Madison Street) with US 58
Recommendation: See Figure 13
Cost: \$1.1M to \$1.4M

Crossover 21:
Recommendation: Remove crossover
Cost: \$0.2M to \$0.3M

Intersection 32: Prison Rd with US 58
Recommendation: Lengthen all existing turn lanes on US 58. Smart Scale Application-UPS 113297
Cost: \$2.1M

Crossover 22:
Recommendation: No recommendations
Cost: Not Applicable

● No Recommendation
● Recommended Removal
● Minor Improvement
● Major Improvement



I-30

I-31

C-21

C-22

I-32

C-21

C-22

I-32

N

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Route 58 Arterial Management Plan Figure 12

Intersection #30: US 58 and Washington St Mecklenburg County

Recommendation: Reconfigure intersection of US 58 and Washington St to Continuous Green-T (CGT). Construct U-turn area west of main intersection to permit southbound movements from Washington St to cross US 58. Extend eastbound right-turn lane to U-turn area and reconstruct existing turn-lanes on US 58 to VDOT Design Standards.

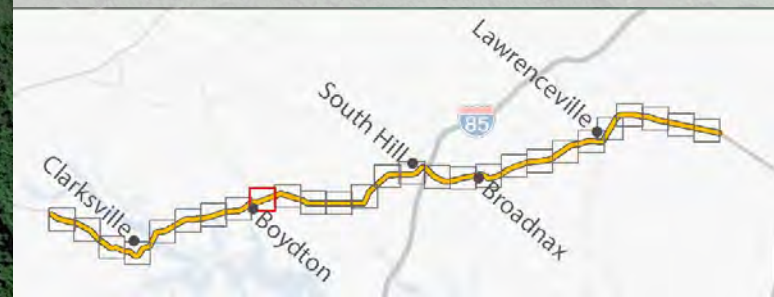
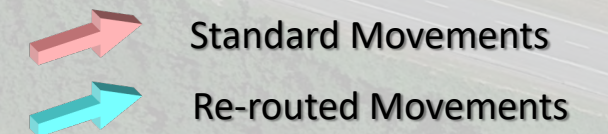
ROW Impacts: All improvements are within the ROW

Improvement Type: Safety, Travel Time Preservation

Traffic Operations & Safety:

- | | |
|--------------------|---|
| Traffic Operations | Reduced delay times for vehicles traveling eastbound on US 58 from southbound Washington St |
| Safety | Reduced conflict points where vehicles cross paths. Reduced risk of angle crashes from Washington St onto US 58 |

Cost: \$1.2M to \$1.9M



Washington St



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Route 58 Arterial Management Plan Figure 13 Intersection #31: US 58 and US 58 BUS Mecklenburg County

Recommendation: Reconfigure main intersection of US 58 and US 58 BUS to Continuous Green-T (CGT). Reconstruct existing turn-lanes on US 58 to meet VDOT Design Standards.

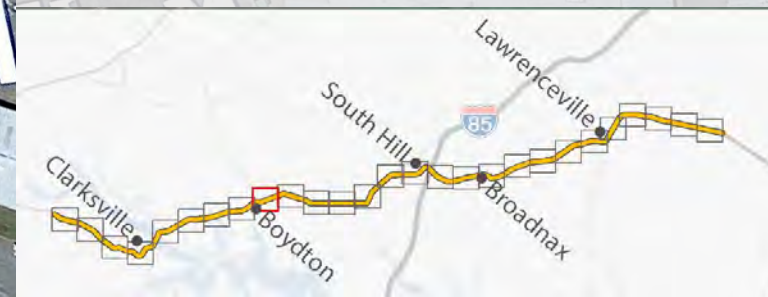
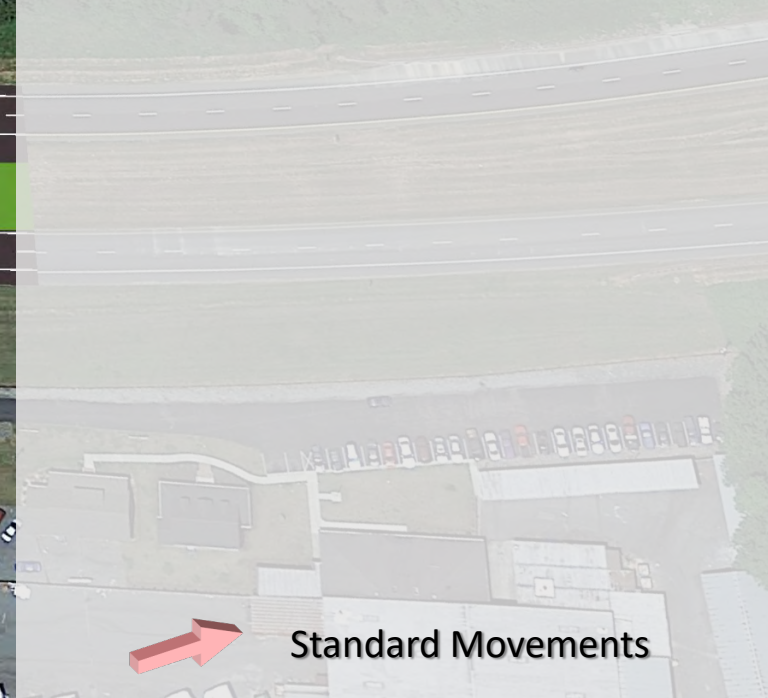
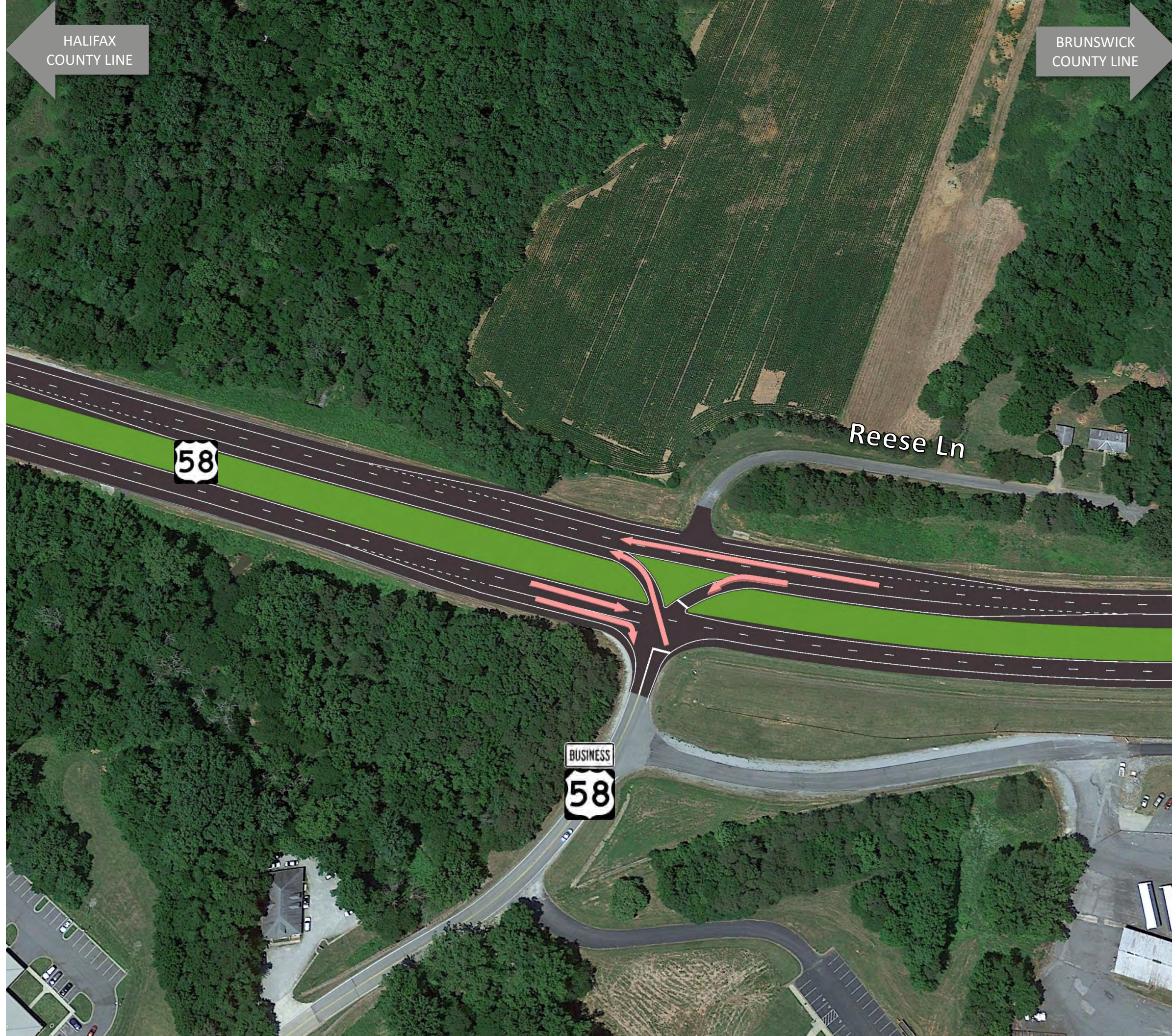
ROW Impacts: All improvements are within the ROW

Improvement Type: Safety, Travel Time Preservation

Traffic Operations & Safety:

- Traffic Operations: Reduced delay times for vehicles traveling westbound on US 58 from northbound Reese Ln
- Safety: Reduced conflict points where vehicles cross paths. Reduced risk of angle crashes from Reese Ln onto westbound US 58

Cost: \$1.1M to \$1.4M



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US 58 Arterial Preservation Plan Figure 14 Intersections & Median Crossovers Mecklenburg County

I-# - Intersection #
C-# - Crossover #

Intersection 33: Ridge Rd with US 58
Recommendation: Lengthen all existing eastbound turn lanes on US 58.
Cost: \$0.3M to \$0.5M

Crossover 23:
Recommendation: Reconfigure crossover to U-turn area for Intersection #34. Permit westbound US 58 left-turn movements.
Cost: \$0.3M to \$0.4M

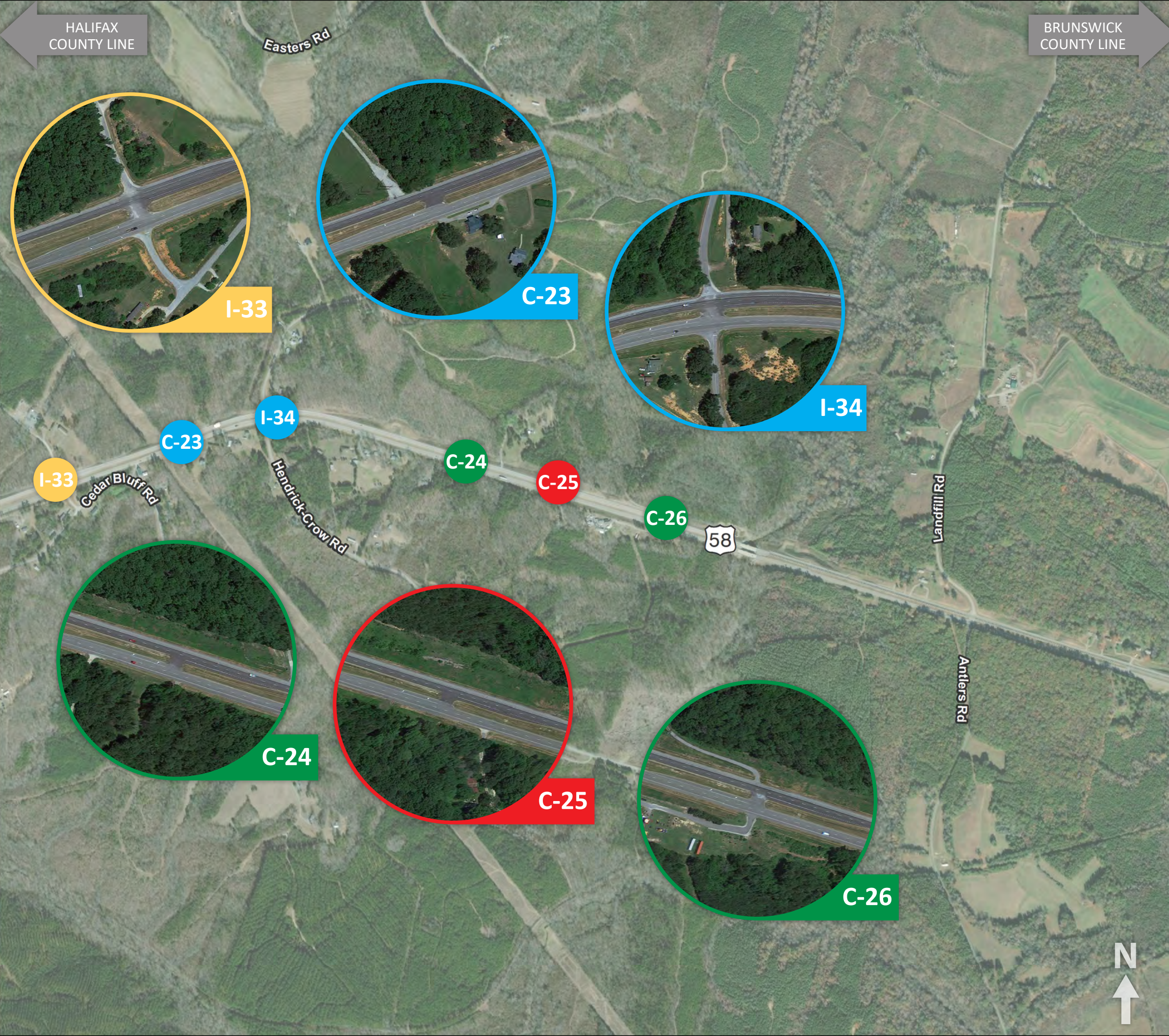
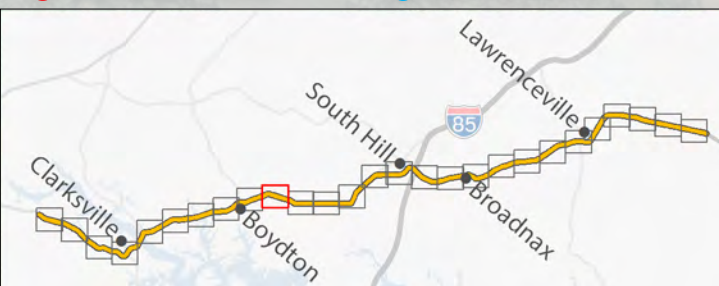
Intersection 34: Hayes Mill Rd with US 58
Recommendation: Reconfigure intersection to restricted crossing U-turn (RCUT). Reconfigure Crossover #23 to U-turn area and construct U-turn area east of main intersection.
Cost: \$0.8M to \$1.3M

Crossover 24:
Recommendation: No recommendation
Cost: Not Applicable

Crossover 25:
Recommendation: Remove crossover
Cost: \$0.2M to \$0.3M

Crossover 26:
Recommendation: No recommendation
Cost: Not Applicable

● No Recommendation
● Recommended Removal
● Minor Improvement
● Major Improvement



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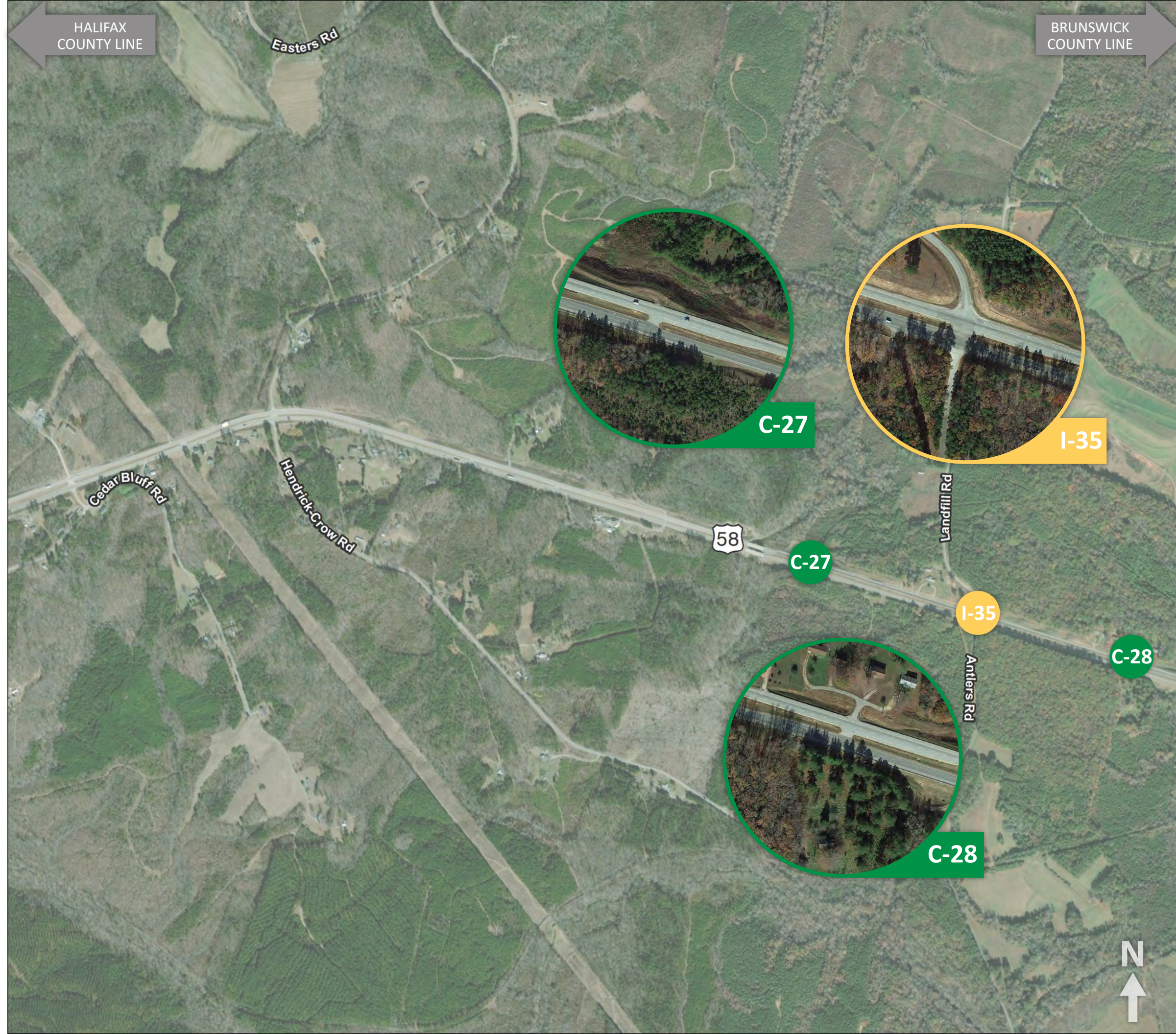
US 58 Arterial Preservation Plan Figure 15 Intersections & Median Crossovers Mecklenburg County

I-# - Intersection #
C-# - Crossover #

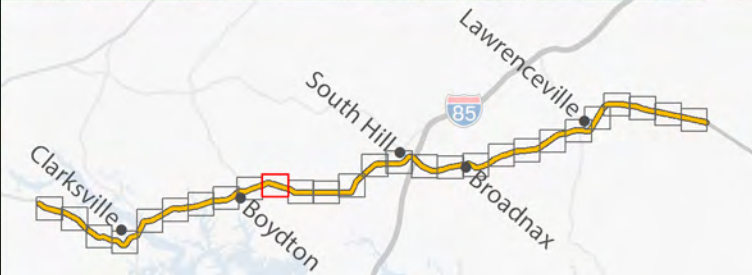
Crossover 27:
Recommendation: No recommendation
Cost: Not Applicable

Intersection 35: Landfill Rd with US 58
Recommendation: Lengthen existing right-turn lanes on US 58.
Cost: \$0.3M to \$0.7M

Crossover 28:
Recommendation: No recommendation
Cost: Not Applicable



● No Recommendation	● Minor Improvement
● Recommended Removal	● Major Improvement



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US 58 Arterial Preservation Plan Figure 16 Intersections & Median Crossovers Mecklenburg County

I-# - Intersection #
C-# - Crossover #

Crossover 29:
Recommendation: No recommendations
Cost: Not Applicable

Crossover 30:
Recommendation: Remove crossover
Cost: \$0.2M to \$0.3M

Crossover 31:
Recommendation: Remove crossover
Cost: \$0.2M to \$0.3M

Crossover 32:
Recommendation: No Recommendation
Cost: Not Applicable

Intersection 36: Buggs Island Rd with US 58
Recommendation: No Recommendation
Cost: Not Applicable

Crossover 33:
Recommendation: No Recommendation
Cost: Not Applicable

Crossover 34:
Recommendation: No recommendation
Cost: Not Applicable

Green circle: No Recommendation
Red circle: Recommended Removal
Yellow circle: Minor Improvement
Blue circle: Major Improvement



C-29



C-30



C-31



C-32



I-36



C-33



C-34

W Cross Rd

Wooden Bridge Rd

Buggs Island Rd

Iron Mill Rd

58

C-29

C-30

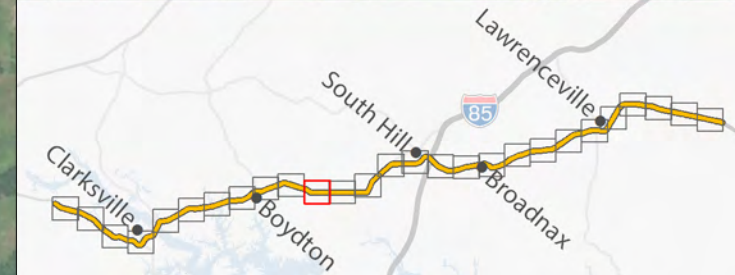
C-31

C-32

I-36

C-33

C-34



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US 58 Arterial Preservation Plan Figure 17 Intersections & Median Crossovers Mecklenburg County

I-# - Intersection #
C-# - Crossover #

Crossover 35:
Recommendation: Remove crossover
Cost: \$0.2M to \$0.3M

Crossover 36:
Recommendation: Remove crossover
Cost: \$0.2M to \$0.3M

Intersection 37: Baskerville Rd with US 58
Recommendation: Reconfigure intersection to directional median permitting left turns and U-Turns from westbound US 58. Construct eastbound right-turn lane on US 58
Cost: \$0.7M to \$1.1M

Intersection 38: Baskerville Rd with US 58
Recommendation: Reconfigure intersection to directional median permitting left turns and U-Turns from eastbound US 58.
Cost: \$0.7M to \$1.1M

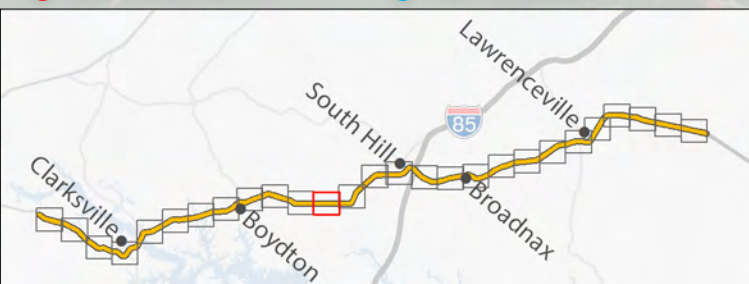
Crossover 37:
Recommendation: No Recommendations.
Cost: Not Applicable

Intersection 39: Cedar Grove Rd with US 58
Recommendation: Construct eastbound right-turn lane on US 58.
Cost: \$0.1M to \$0.2M

Crossover 38:
Recommendation: No recommendation
Cost: Not Applicable

Crossover 39:
Recommendation: No recommendation
Cost: Not Applicable

● No Recommendation
● Recommended Removal
● Minor Improvement
● Major Improvement



C-35



C-36



I-37



I-38

C-35

C-36

I-37

I-38

C-37

I-39

58

C-38

C-39



I-39



C-37



C-38



C-39

Mills Rd
Baskerville Rd

Cedar Grv
Cedar Grv

Iron Mill



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US 58 Arterial Preservation Plan Figure 18 Intersections & Median Crossovers Mecklenburg County

I-# - Intersection #
C-# - Crossover #

Intersection 40: Camp Rd with US 58
Recommendation: Lengthen all existing turn lanes on US 58.
Cost: Not Applicable

Crossover 40:
Recommendation: No recommendation
Cost: Not Applicable

Intersection 41: US 1 with US 58
Recommendation: See Figure 19
Cost: \$6.9M to \$9.7M

Intersection 42: Smith Cross Rd with US 58
Recommendation: Construct westbound left-turn lane and eastbound right-turn lane.
Cost: \$2.2M to \$3.1M

Intersection 43: Union Level Rd with US 58
Recommendation: Reconfigure intersection to restricted crossing U-turn (RCUT). Construct U-turn area east and east of main intersection.
Cost: \$2.7M to \$3.9M

Intersection 44: Dockery Rd with US 58
Recommendation: Reconfigure intersection to restricted crossing U-turn (RCUT). Construct U-turn area east and east of main intersection.
Cost: \$2.7M to \$3.9M

● No Recommendation
● Recommended Removal
● Minor Improvement
● Major Improvement

