

US 58 Arterial Preservation Plan Figure 31 Intersections & Median Crossovers Brunswick County

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

Crossover 55:
Recommendation: No recommendation
Cost: Not Applicable

Crossover 56:
Recommendation: Remove crossover
Cost: \$0.2M to \$0.3M

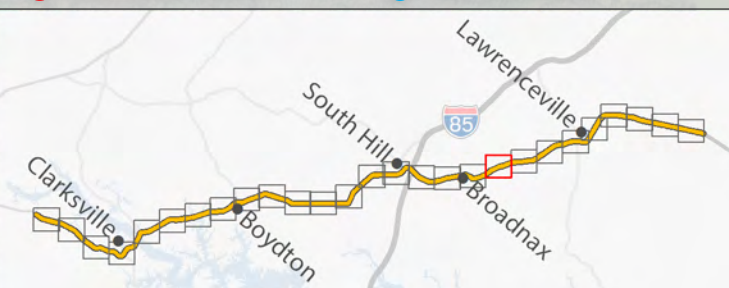
Crossover 57:
Recommendation: No recommendation
Cost: Not Applicable

Crossover 58:
Recommendation: No recommendation
Cost: Not Applicable

Crossover 59:
Recommendation: No recommendation
Cost: Not Applicable

Crossover 60:
Recommendation: Reconfigure crossover to U-turn area for Intersection #61. Permit westbound US 58 left-turn movements.
Cost: Not Applicable

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



C-60

Pleasant Ln

C-59

C-58

58

C-57

C-56

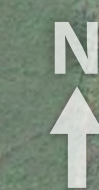
Dixie Ln

C-55

C-58

C-59

C-60



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US 58 Arterial Preservation Plan Figure 32 Intersections & Median Crossovers Brunswick County

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



I-61



C-61



I-62

C-64

Evans Creek Rd

I-61

C-61

C-62



C-63

I-62

Robinson Ferry Rd

Intersection 61: Evans Creek Rd with US 58
Recommendation: Reconfigure intersection to restricted crossing U-turn (RCUT). Reconfigure Crossovers #60 & 61 to U-turn areas.
Cost: \$1.5M to \$2.2M

Crossover 61:
Recommendation: Reconfigure crossover to U-turn area for Intersection #61. Permit eastbound US 58 left-turn movements.
Cost: Not Applicable

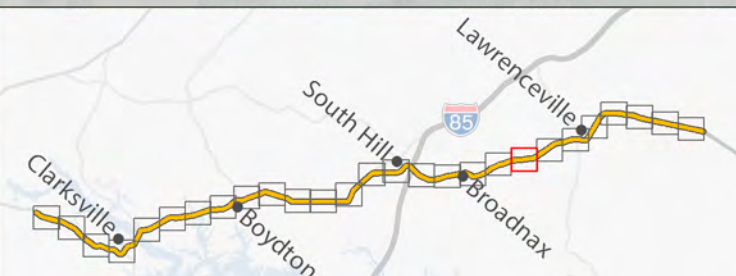
Crossover 62:
Recommendation: No recommendation
Cost: Not Applicable

Crossover 63:
Recommendation: Reconfigure crossover to U-turn area for Intersection #62. Permit westbound US 58 left-turn movements.
Cost: Not Applicable

Intersection 62: Grandy Rd with US 58
Recommendation: Reconfigure intersection to restricted crossing U-turn (RCUT). Reconfigure Crossover #63 to U-turn area and construct east U-turn area.
Cost: \$1.3 to \$2.1

Crossover 64:
Recommendation: No recommendation
Cost: Not Applicable

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



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US 58 Arterial Preservation Plan Figure 33 Intersections & Median Crossovers Brunswick County

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

Crossover 65:
Recommendation: No recommendation
Cost: Not Applicable

Intersection 63: Union Woods Dr with US 58
Recommendation: Lengthen existing turn lanes on US 58.
Cost: \$0.6M to \$1.0M

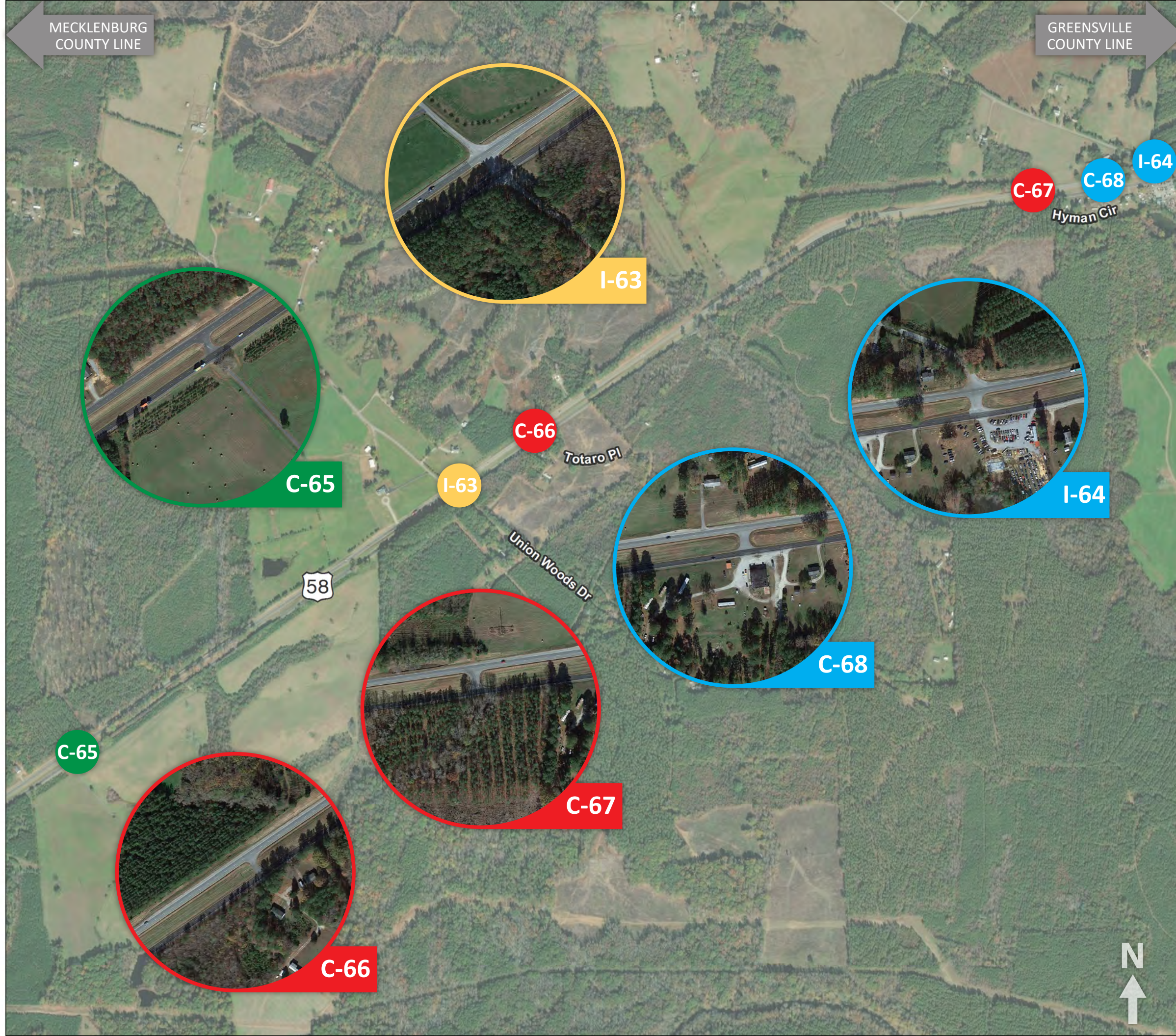
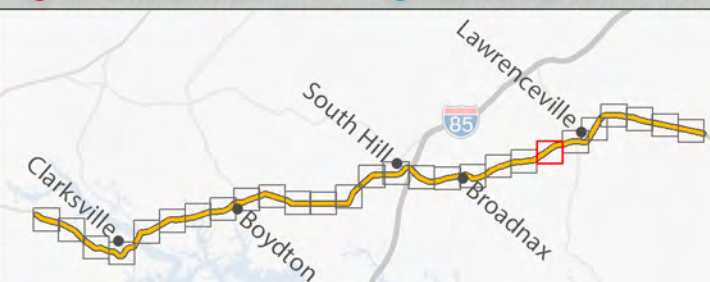
Crossover 66:
Recommendation: Remove crossover
Cost: \$0.2M to \$0.3M

Crossover 67:
Recommendation: Remove crossover.
Cost: \$0.2M to \$0.3M

Crossover 68:
Recommendation: Reconfigure crossover to U-turn area for Intersection #64. Permit westbound US 58 left-turn movements.
Cost: Not Applicable

Intersection 64: Pleasant Grove Rd with US 58
Recommendation: Reconfigure intersection to restricted crossing U-turn (RCUT). Reconfigure Crossovers #68 & 69 to U-turn areas.
Cost: \$0.4M to \$2.1M

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



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US 58 Arterial Preservation Plan Figure 34 Intersections & Median Crossovers Brunswick County

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

Crossover 69:
Recommendation: Reconfigure crossover to U-turn area for Intersection #64.
Cost: See Intersection 68: Bright Leaf Rd with US 58

Crossover 70:
Recommendation: Remove crossover
Cost: \$0.2M to \$0.3M

Crossover 71:
Recommendation: Remove crossover
Cost: \$0.2M to \$0.3M

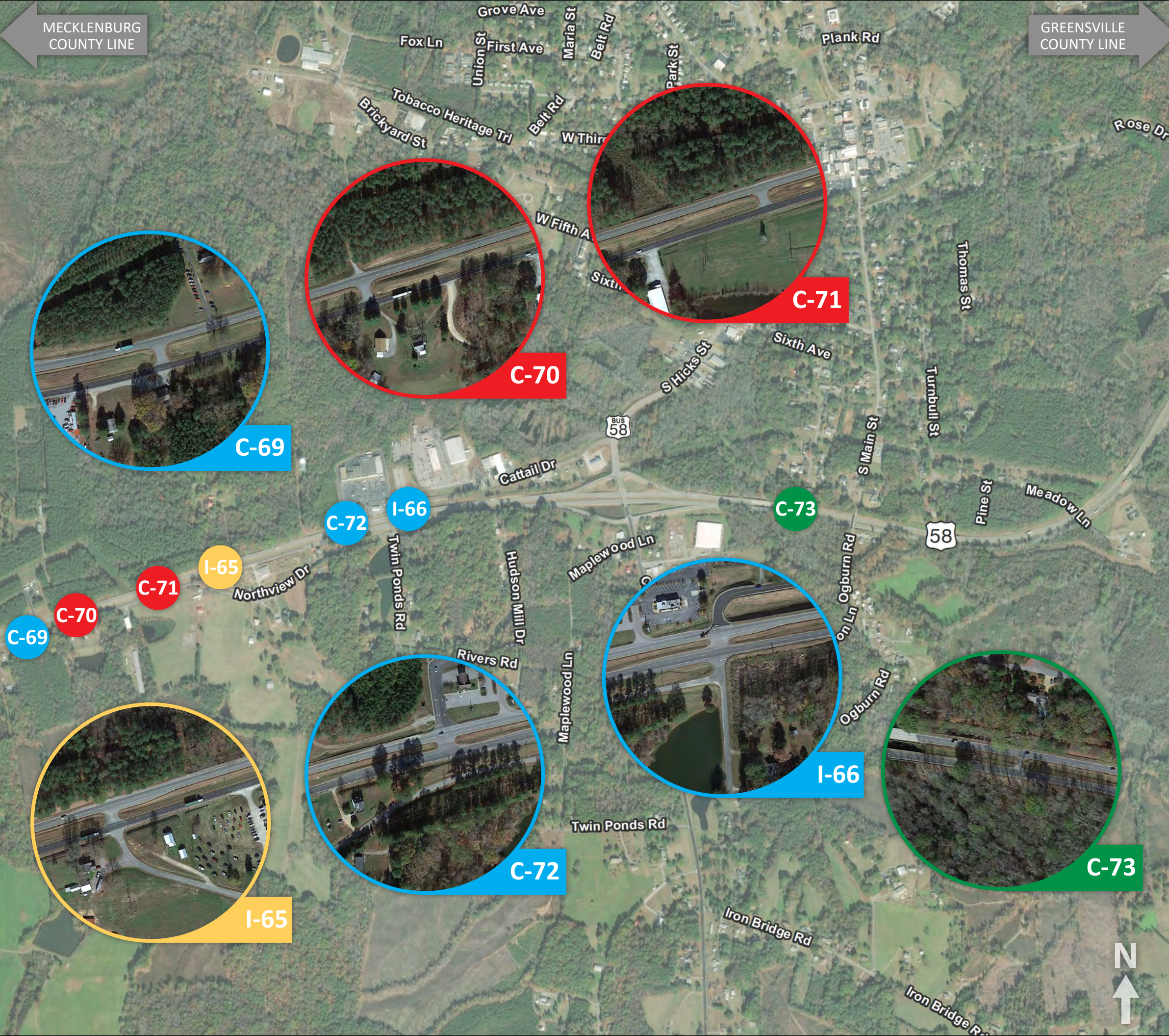
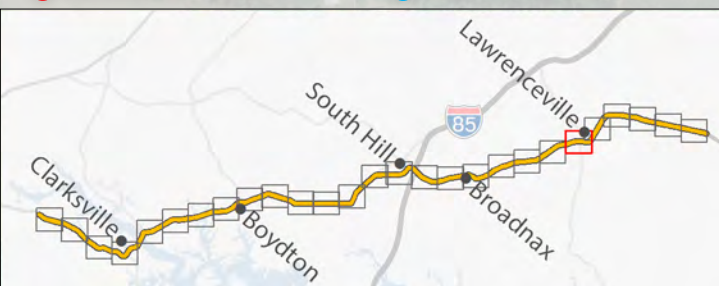
Intersection 65: Northview Dr with US 58
Recommendation: Lengthen existing westbound left-turn lane and construct eastbound right turn lane on US 58.
Cost: \$0.4M to \$0.6M

Crossover 72:
Recommendation: See Figure 35.
Cost: See Intersection 66: Cattail Dr with US 58

Intersection 66: Cattail Dr with US 58
Recommendation: See Figure 35
Cost: \$2.3M to \$3.4M

Crossover 73:
Recommendation: No recommendation
Cost: Not Applicable

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



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Route 58 Arterial Management Plan Figure 35 Intersection #66: US 58 and Cattail Dr Mecklenburg County

Recommendation: Reconfigure Crossover #72 with US 58 to a Continuous Green-T (CGT). Close north leg of Cattail Dr and permit right-in/right-out for the south leg. Improve Route 46/US 58 Interchange by extending westbound accelerations lanes and eastbound deceleration lanes.

ROW Impacts: All improvements are within the ROW


Improvement Type: Safety

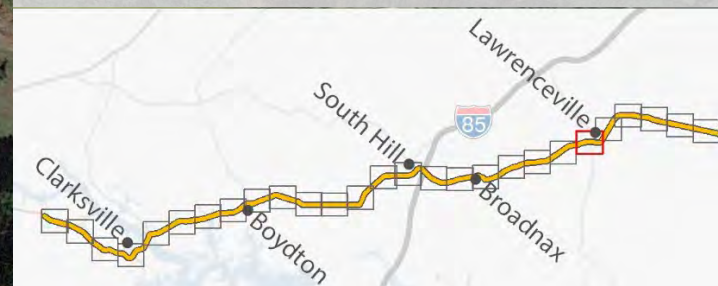
Traffic Operations & Safety:

Traffic Operations
Reduced delay for vehicles entering and exiting Brunswick Square. Longer merge area for Route 46 Interchange permits merging at higher safer speeds

Safety
Reduced risk of angle crashes and conflicts with the Route 46 influence area. Longer acceleration and deceleration lanes at the Route 46 interchange reduces the risk of rear end and sideswipe crashes

Cost: \$2.3M to \$3.4M

 Standard Movements



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US 58 Arterial Preservation Plan Figure 36 Intersections & Median Crossovers Brunswick County

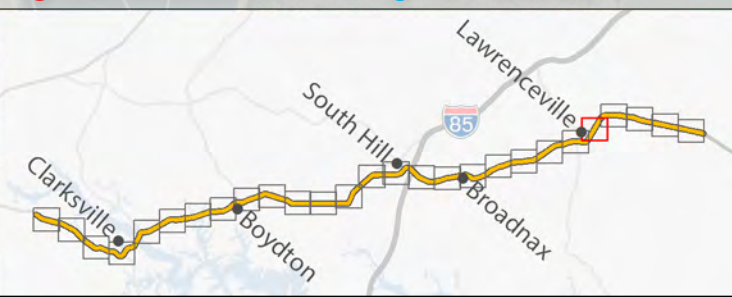
I-# - Intersection #
C-# - Crossover #

Crossover 74:
Recommendation: No recommendation
Cost: Not Applicable

Crossover 75:
Recommendation: No recommendation
Cost: Not Applicable



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



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US 58 Arterial Preservation Plan Figure 37 Intersections & Median Crossovers Brunswick County

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

Intersection 67: Lawrenceville Plank Rd with US 58
Recommendation: Lengthen all existing turn lanes on US 58.
Cost: \$0.5M to \$0.8M

Crossover 76:
Recommendation: Lengthen existing eastbound left-turn lane and construct westbound left-turn lane and eastbound right-turn lane on US 58.
Cost: \$0.7M to \$1.0M

Intersection 68: Bright Leaf Rd with US 58
Recommendation: See Figure 38
Cost: \$1.1M to \$1.7M

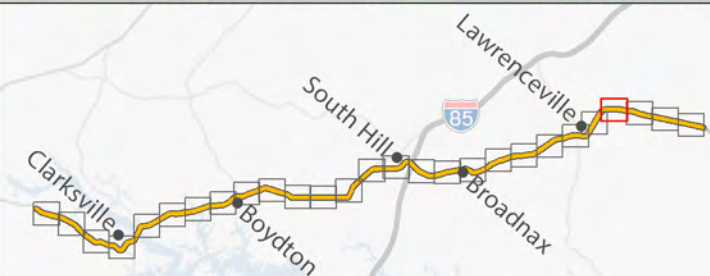
Intersection 69: Airport Dr with US 58
Recommendation: See Figure 38
Cost: \$0.3M to \$0.6M

Crossover 77:
Recommendation: Lengthen existing right-turn lane on US 58.
Cost: \$0.3M to \$0.4M

Crossover 78:
Recommendation: Lengthen existing right-turn lane on US 58.
Cost: \$0.1M to \$0.3M

Intersection 70: Old Stage Rd with US 58
Recommendation: Reconfigure intersection to restricted crossing U-turn (RCUT). Utilize Crossover #78 & Intersection #71 for U-turn areas.
Cost: \$1.1M to \$1.8M

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



I-67



C-76



I-68



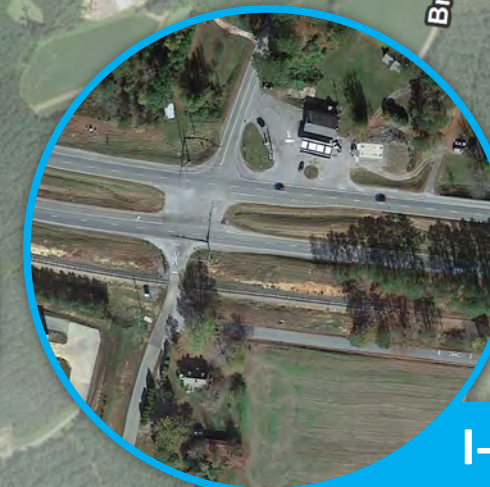
I-67



C-77



C-78



I-70



I-69

N



Brooks Xing

Planters Rd

Lawrenceville Plank Rd

Blueberry Ct

Circle Dr

Bright Leaf Rd

Airport Dr

58

Brooks Xing

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Bright Leaf Rd

Airport Dr



RCUT Alternative

Route 58 Arterial Management Plan Figure 38 Intersection #68: US 58 and Bright Leaf Rd Intersection #69: US 58 and Airport Dr Mecklenburg County

Recommendation: Reconfigure intersection of Bright Leaf Rd with US 58 to a Continuous Green-T (CGT). Construct U-turn area west of main intersection to permit movements from Bright Leaf Rd or US 58 westbound to Airport Dr. Reconfigure the intersection of Airport Dr with US 58 to right-in/right-out. Construct U-turn area east of Airport Dr to permit movements from Airport Drive to Bright Leaf Rd or US 58 westbound. A restricted crossing U-turn (RCUT) alternative is also applicable for this location.

ROW Impacts: Most improvements are within the ROW. The extended eastbound right-turn lane may have little to none ROW impacts.


Improvement Type: Safety

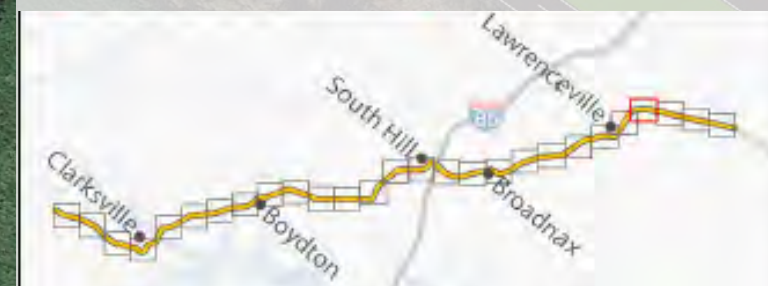
Traffic Operations & Safety:

Traffic Operations Reduced delay for vehicles exiting Bright Leaf Rd and Airport Drive.

Safety Reduced risk of angle crashes at both the intersections of Bright Leaf Rd and Airport Dr with US 58. Increased sight-distance for turning vehicles. Eliminates trucks stopped in the median blocking traffic.

Cost: \$1.4M to \$2.3M

-  Standard Movements
-  Re-routed Movements



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US 58 Arterial Preservation Plan Figure 39 Intersections & Median Crossovers Brunswick County

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

Intersection 71: County Pond Rd with US 58
Recommendation: Lengthen existing left turn lanes on US 58 and construct right turn lanes on US 58.
Cost: \$0.4M to \$0.6M

Crossover 79:
Recommendation: No recommendation
Cost: Not Applicable

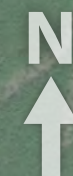
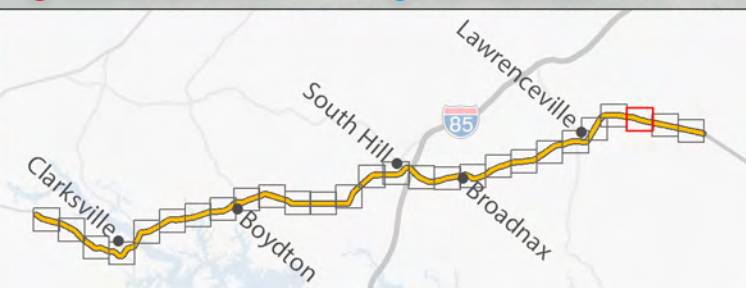
Crossover 80:
Recommendation: No recommendation
Cost: Not Applicable

Intersection 72: Eastside Rd with US 58
Recommendation: Lengthen existing left-turn lanes and construct right-turn lanes on US 58. Consolidate access on westbound US 58.
Cost: \$1.1M to \$1.8M

Crossover 81:
Recommendation: No recommendation
Cost: Not Applicable

Intersection 73: Vulcan Quarry Ln with US 58
Recommendation: Lengthen existing westbound left-turn lane and construct eastbound 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 40 Intersections & Median Crossovers Brunswick County

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

Crossover 82:
Recommendation: No recommendation
Cost: Not Applicable

Intersection 74: Dominion Power with US 58
Recommendation: No recommendation
Cost: Not Applicable

Crossover 83:
Recommendation: No recommendation
Cost: Not Applicable

Crossover 84:
Recommendation: No recommendation
Cost: Not Applicable



C-82



I-74



C-83



C-84

C-82

I-74

58

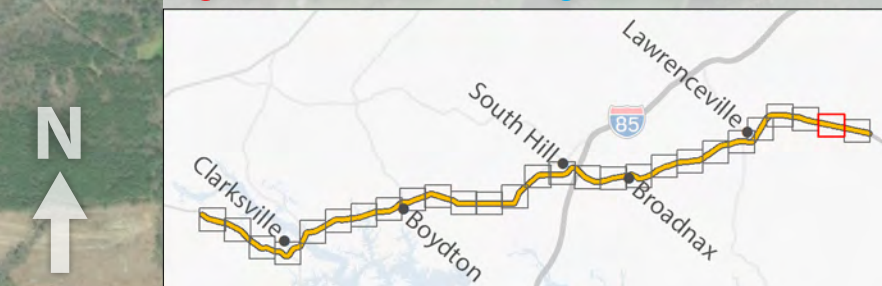
C-83

C-84

Walton Rd

Reedy Creek Rd

Reedy Creek Rd



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



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US 58 Arterial Preservation Plan Figure 41 Intersections & Median Crossovers Brunswick County

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

Intersection 75: Freemans Cross Rd with US 58
Recommendation: Reconfigure intersection to restricted crossing U-turn (RCUT). Utilize Crossovers #84 & Intersection #85 for U-turn areas.
Cost: \$0.9M to \$1.3M

Crossover 85:
Recommendation: Construct left-turn lanes on US 58.
Cost: \$0.3M to \$0.4M

Crossover 86:
Recommendation: No recommendation
Cost: Not Applicable

Crossover 87:
Recommendation: No recommendation
Cost: Not Applicable

Crossover 88:
Recommendation: No Recommendation.
Cost: Not Applicable



I-75



C-85



C-86



C-87



C-88

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

