

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

- Intersection #
 C## - Crossover #

Crossover #1:
Recommendation: Lengthen existing left-turn lanes on US 58
Cost: \$0.5M to \$0.7M

Intersection #1: Westward Rd with US 58
Recommendation: Reconfigure intersection to directional median to permit left-ins only from eastbound US 58. Right-in/right-outs are still permitted. Construct westbound right-turn lane on US 58
Cost: \$0.6M to \$0.8M

Intersection #2: Grassy Pond Rd with US 58
Recommendation: Lengthen all existing turn lanes on US 58. Construct westbound right-turn lane on US 58
Cost: \$1.1M to \$1.6M

Crossover #2:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

Crossover #3:
Recommendation: Lengthen existing left-turn lanes on US 58
Cost: \$0.5M to \$0.7M

Crossover #4:
Recommendation: Lengthen existing left-turn lanes on US 58
Cost: \$0.5 to \$0.7

Crossover #5:
Recommendation: Lengthen existing left-turn lanes on US 58
Cost: \$0.5M to \$0.7M

- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement



BRUNSWICK COUNTY LINE

Grassy Pond Rd

I-95



Chapman's Ford Rd

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I#3

C#6

C#7

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

I## - Intersection #

C## - Crossover #

Intersection #3: Chapman's Ford with US 58
Recommendation: Lengthen all existing turn lanes on US 58. Construct eastbound right-turn lane on US 58
Cost: \$1.1M to \$1.6M

Crossover #6:
Recommendation: Lengthen existing left-turn lanes on US 58
Cost: \$0.5M to \$0.7M

Crossover #7:
Recommendation: Lengthen existing left-turn lanes on US 58
Cost: \$0.5M to \$0.7M

- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement



BRUNSWICK COUNTY LINE

I-95

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



Maclins Creek Rd



C#8



C#11



C#12



I#4



C#9



C#10



C#13

DRAFT

- Intersection #
C## - Crossover #

Intersection #4: Maclins Creek Rd with US 58
Recommendation: Lengthen all existing turn lanes on US 58
Cost: \$1.1M to 1.6M

Crossover #8:
Recommendation: Lengthen existing left-turn lanes on US 58
Cost: \$0.5M to \$0.7M

Crossover #9:
Recommendation: Lengthen existing left-turn lanes on US 58
Cost: \$0.5M to \$0.7M

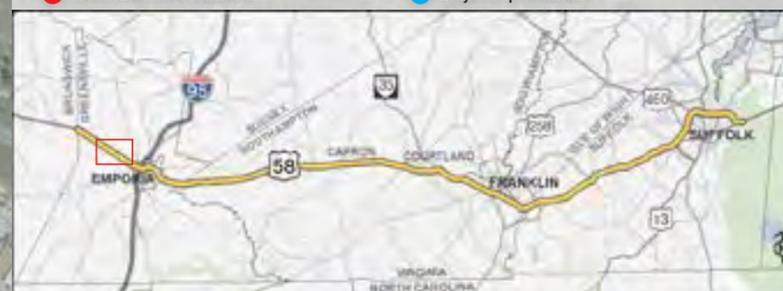
Crossover #10:
Recommendation: Reconfigure crossover to directional median to permit left-ins only from eastbound US 58. Right-in/right-outs are still permitted
Cost: \$0.3M to \$0.4M

Crossover #11:
Recommendation: Lengthen existing left-turn lanes on US 58
Cost: \$0.5M to \$0.7M

Crossover #12:
Recommendation: Remove crossover
Cost: \$0.3M \$0.4M

Crossover #13:
Recommendation: Lengthen existing left-turn lanes on US 58
Cost: \$0.5M to \$0.7M

- No Recommendation
- Minor Improvement
- Recommended Removal
- Major Improvement



BRUNSWICK COUNTY LINE

SOUTHAMPTON COUNTY LINE

US 58 Arterial Preservation Plan Figure 4 Intersections & Median Crossovers City of Emporia/Greenville County

- Intersection #
C## - Crossover #

Intersection #5-8:
Recommendation: Reconfigure area to consecutive RCUT intersections.

Intersection of Ruritan Dr (I#5) to be configured to main RCUT intersection. Construct u-turn area west and reconfigure existing intersection #6, to u-turn/left-in.

Intersection of Westover Dr (I#6) reconfigure existing intersection, to u-turn/left-in.

Intersection of Sadler Dr (I#7) to be configured to main RCUT intersection. Reconfigure existing intersection #6, to u-turn/left-in. Construct u-turn area east of main intersection.

Intersection of West End Dr (I#8) to be configured to main RCUT intersection. Construct u-turn area west of main intersection. Reconfigure existing crossover (C#15) to u-turn area.

Cost: \$2.1M to \$2.9M

Crossover #14:
Remove crossover

Crossover #15:
Recommendation: See Figure 7

Intersection #9: Purdy Rd with US 58
Recommendation: See Figure 7
Cost: \$2.0M to \$3.0M

- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement



BRUNSWICK COUNTY LINE

SOUTHAMPTON COUNTY LINE

US 58 Arterial Preservation Plan

Figure 5

Intersections & Median Crossovers

City of Emporia/Greenville County

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

Intersection #10: I-95 Interchange with US 58
Recommendation: See Figure 8. Configure interchange to Diverging Diamond Interchange (DDI) or Single-Point Urban Interchange (SPUI).
Cost: \$7.7M to \$9.6M(DDI)
Cost: \$9.0M to \$12.3M(SPUI)

Intersection #11: Market St with US 58
Recommendation: See Figure 9
Cost: \$3.1M to \$4.9M

Intersection #12: Reese St with US 58
Recommendation: Lengthen existing westbound right-turn lane on US 58
Cost: \$0.3M to \$0.4M

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I#10



I#11



I#12



- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement



BRUNSWICK COUNTY LINE

SOUTHAMPTON COUNTY LINE

SEE FIGURE 7

SEE FIGURE 9



Purdy Rd

Market Dr

SEE FIGURE 8 FOR I-95 INTERCHANGE RECOMMENDATION



US 58 Arterial Preservation Plan
Figure 6
I-95 Area Summary



BRUNSWICK COUNTY LINE

I-95

US 58 Arterial Preservation Plan

Figure 7

Intersection #9: US 58 and Purdy Rd City of Emporia

Recommendation: Reconfigure intersection to remove left-turns on US 58 and Purdy Rd southbound. Construct Jug-handle west of main intersection. Construct New Rd around development in southwest corner. Widen Wiggins Road to accommodate trucks (pictured left).

ROW Impacts: Jug-handle and New Rd will require land acquisition. ROW may be required to widen Wiggins Road to accommodate trucks. The main intersection will require little to no land acquisition, as most of this will be new lane markings.

Improvement Type: Congestion, Safety, Travel Time Preservation

Traffic Operations:

Total Intersection Delay (s)	AM	PM
Existing Conditions	25.7 - C	28.0 - C
2040 No Build Conditions (Conventional Intersection)	21.5 - C	67.4 - E
2040 Build Conditions	19.2 - B	17.4 - B

Cost: \$2.0M to \$3.0M



 Standard Movements
 Rerouted Movements



BRUNSWICK COUNTY LINE

SOUTHAMPTON COUNTY LINE



Option 1: DDI

Option 2: SPUI

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SEE FIGURE 7

THIS SHEET

SEE FIGURE 9



US 58 Arterial Preservation Plan

Figure 8

Intersection #10: US 58 and I-95

City of Emporia

Recommendation: Option one will be to reconfigure interchange to Diverging Diamond Interchange (DDI) (pictured left). Option two will be to reconfigure interchange to Single Point Urban Interchange (SPUI) (inset)

Impacts: Requires minimal configuration to existing I-95 ramps and bridge. In addition, two signals at both ends of the US 58 bridge will require signalization to permit crossover.

Improvement Type: Safety, Travel Time Preservation

Traffic Operations & Safety:

Traffic Operations: Minimal Improvements

Safety: Traffic entering and exiting freeway does not cross opposing lanes of traffic. Reduced number of conflict points where vehicles cross.

Cost: \$7.7M to \$9.6M (DDI)
Cost: \$9.0M to \$12.3M (SPUI)

Eastbound US 58 Traffic (red arrow)
Westbound US 58 Traffic (cyan arrow)



BRUNSWICK COUNTY LINE

SOUTHAMPTON COUNTY LINE

US 58 Arterial Preservation Plan

Figure 9

Intersection #11: US 58 and Market Dr City of Emporia

Recommendation: Reconfigure intersections to coordinated signalized intersections. The westbound direction at Market Dr and the eastbound direction at New Rd will be free-flow. Construct new intersection east of Market Dr and US 58 to include Continuous Green-T for southbound left-turns and u-turn area for US 58 Business left-turns onto US 58 (pictured left).

ROW Impacts: Land acquisition will be required for new intersection and connection to Market Rd. Market Rd between New Rd and Market Dr will require improvements.

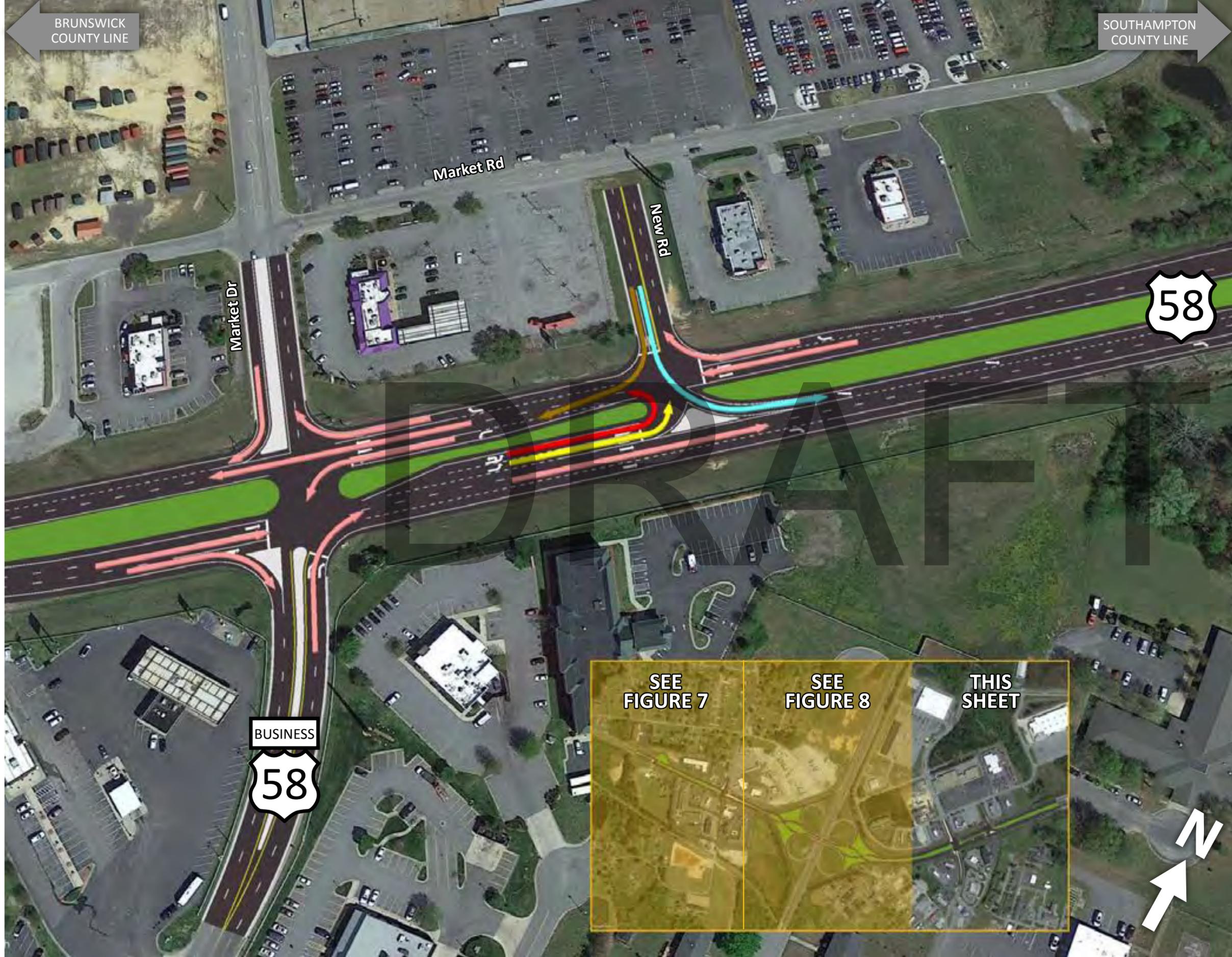
Improvement Type: Congestion, Safety, Travel Time Preservation

Traffic Operations:

Total Intersection Delay (s)	AM	PM
Existing Conditions	25.6 - C	32.3 - C
2040 No Build Conditions (Conventional Intersection)	27.4 - C	87.9 - F
2040 Build Conditions	19.9 - B	31.0 - C

Cost: \$3.1M to \$4.9M

-  Standard Movements
-  Southbound Market Dr to Eastbound US 58
-  Southbound Market Dr to US 58 Business
-  Northbound US 58 Business to Westbound US 58
-  Northbound US 58 Business & Eastbound US 58 To Market Dr



BRUNSWICK COUNTY LINE

SOUTHAMPTON COUNTY LINE



Davis St

I#13

C#17

C#18

I#15

E Atlantic St

James River JCT

C#16

I#14

C#19



US 58 Arterial Preservation Plan Figure 10 Intersections & Median Crossovers City of Emporia/Greenville County

I## - Intersection #

C## - Crossover #

Intersection #13: SR 611 with US 58
Recommendation: Lengthen existing eastbound left and right-turn lanes on US 58. Sight-distance is inadequate looking westbound.
Cost: \$0.8M to \$1.2M

Crossover #16:
Recommendation: Sign for "Authorized Vehicles Only"

Intersection #14: E Atlantic St with US 58
Recommendation: Lengthen existing right-turn lanes on US 58
Cost: \$0.6M to \$0.9M

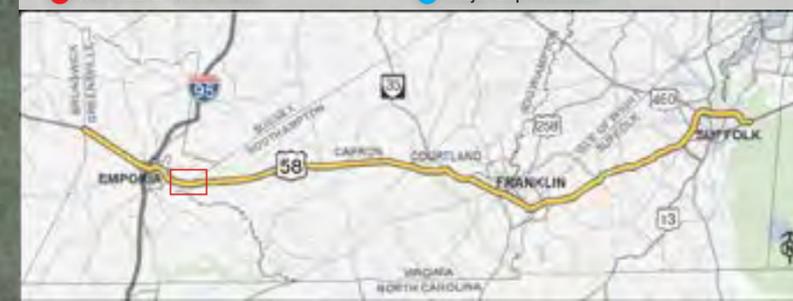
Crossover #17:
Recommendation: Remove crossover
Cost: \$0.M to \$0.4M

Crossover #18:
Recommendation: Construct right-turn lanes on US 58
Cost: \$0.6M to \$0.9M

Crossover #19:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

Intersection #15: James River Jct with US 58
Recommendation: Lengthen existing westbound right-turn lane on US 58
Cost: \$0.3M to \$0.4M

- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement



BRUNSWICK COUNTY LINE

SOUTHAMPTON COUNTY LINE

US 58 Arterial Preservation Plan

Figure 11

Intersections & Median Crossovers

City of Emporia/Greenville County

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

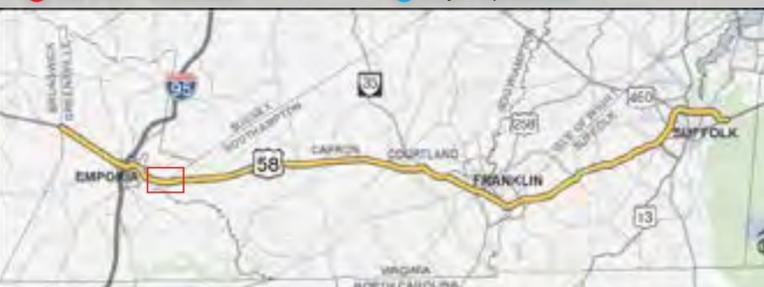
Crossover #20:
Recommendation: Lengthen existing left-turn lanes on US 58
Cost: \$0.5M to \$0.7M

Crossover #21:
Recommendation: Lengthen existing westbound right-turn lane on US 58
Cost: \$0.3M to \$0.4M

Intersection #16: Airport Dr with US 58
Recommendation: Lengthen existing westbound right-turn lane on US 58
Cost: \$0.3M to \$0.4M

Crossover #22:
Recommendation: Reconfigure crossover to directional median to permit left-ins only from westbound US 58. Right-in/right-outs are still permitted
Cost: \$0.3M to \$0.4M

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



E Atlantic St

Airport Dr

C#20

C#21

C#22

I#16

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GREENSVILLE COUNTY LINE

FRANKLIN CITY LINE

US 58 Arterial Preservation Plan Figure 12 Intersections & Median Crossovers Southampton County

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

Crossover #23:
Recommendation: Lengthen existing left-turn lanes on US 58
Cost: \$0.5M to \$0.7M

Crossover #24:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

Crossover #25:
Recommendation: No Recommendation

Crossover #26:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

Crossover #27:
Recommendation: Lengthen existing eastbound left-turn lane on US 58
Cost: \$0.3M to \$0.4M

Crossover #28:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

Crossover #29:
See Intersection #17

Intersection #17: Green Plains Rd with US 58
Recommendation: Reconfigure to RCUT. Reconfigure Crossover #29 to u-turn area. Reconfigure Green Plains Rd intersection (I#17) to main RCUT intersection. Construct u-turn area east of main intersection.
Cost: \$0.8M to \$1.1M

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



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Green Plains Rd



GREENSVILLE COUNTY LINE

FRANKLIN CITY LINE

US 58 Arterial Preservation Plan Figure 13 Intersections & Median Crossovers Southampton County

- Intersection #
C## - Crossover #

Intersection #18: Hicks Ford Rd with US 58
Recommendation: Reconfigure to RCUT. Reconfigure Crossover #30 to u-turn area. Reconfigure Hicks Ford Rd intersection (I#18) to main RCUT intersection. Construct u-turn area west of main intersection.
Cost: \$1.0M to \$1.5M

Crossover #30:
Recommendation: See Intersection #18

Crossover #31:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

Crossover #32:
Recommendation: Lengthen existing left-turn lanes on US 58
Cost: \$0.5M to \$0.7M

Crossover #33:
Recommendation: Lengthen existing eastbound left-turn lane on US 58
Cost: \$0.3M to \$0.4M

Crossover #34:
Recommendation: Lengthen existing left-turn lanes on US 58
Cost: \$0.5 to \$0.7

Crossover #35:
Recommendation: No recommendation

Crossover #36:
Recommendation: No recommendation

Crossover #37:
Recommendation: Remove crossover

- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement



Hicks Ford Rd

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GREENSVILLE COUNTY LINE

FRANKLIN CITY LINE

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

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

Intersection #19: Adams Grove Rd with US 58
Recommendation: Lengthen existing eastbound right-turn lane on US 58
Cost: \$0.3M to \$0.4M

Crossover #38:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

Intersection #20: Tennessee Rd with US 58
Recommendation: Lengthen existing eastbound right-turn lane on US 58
Cost: \$0.3M to \$0.4M

Crossover #39:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

Crossover #40:
Recommendation: No Recommendation



Route 695

Turner Rd

Adams Grove Rd

Tennessee Rd



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



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GREENSVILLE COUNTY LINE

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

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

Crossover #41:
Recommendation: No Recommendation

Intersection #21: Turner Rd with US 58
Recommendation: Lengthen existing eastbound right-turn lane on US 58
Cost: \$0.3M to \$0.4M

Crossover #42:
Recommendation: No Recommendation

Intersection #22: Route 695/Old Belfield Rd with US 58
Recommendation: Reconfigure intersection to directional median to permit left-ins only from eastbound US 58. Right-in/right-outs are still permitted. Construct westbound right-turn on US 58.
Cost: \$0.6M to \$0.8M

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



GREENSVILLE COUNTY LINE

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

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

Intersection #23: Barhams Hill Rd with US 58
Recommendation: Construct right-turn lanes on US 58
Cost: \$0.6M to \$0.9M

Crossover #43:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

Crossover #44:
Recommendation: No Recommendation

Crossover #45:
Recommendation: No Recommendation

Crossover #46:
Recommendation: No Recommendation



Drewry Rd

Barhams Hill Rd

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- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement



GREENSVILLE COUNTY LINE

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

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

Crossover #47:
Recommendation: No Recommendation

Crossover #48:
Recommendation: Construct westbound right-turn lane on US 58
Cost: \$0.3M to \$0.4M

Intersection #24: Drewry Rd with US 58
Recommendation: See Figure 18
Cost: \$1.7M to \$2.3M

Crossover #49:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

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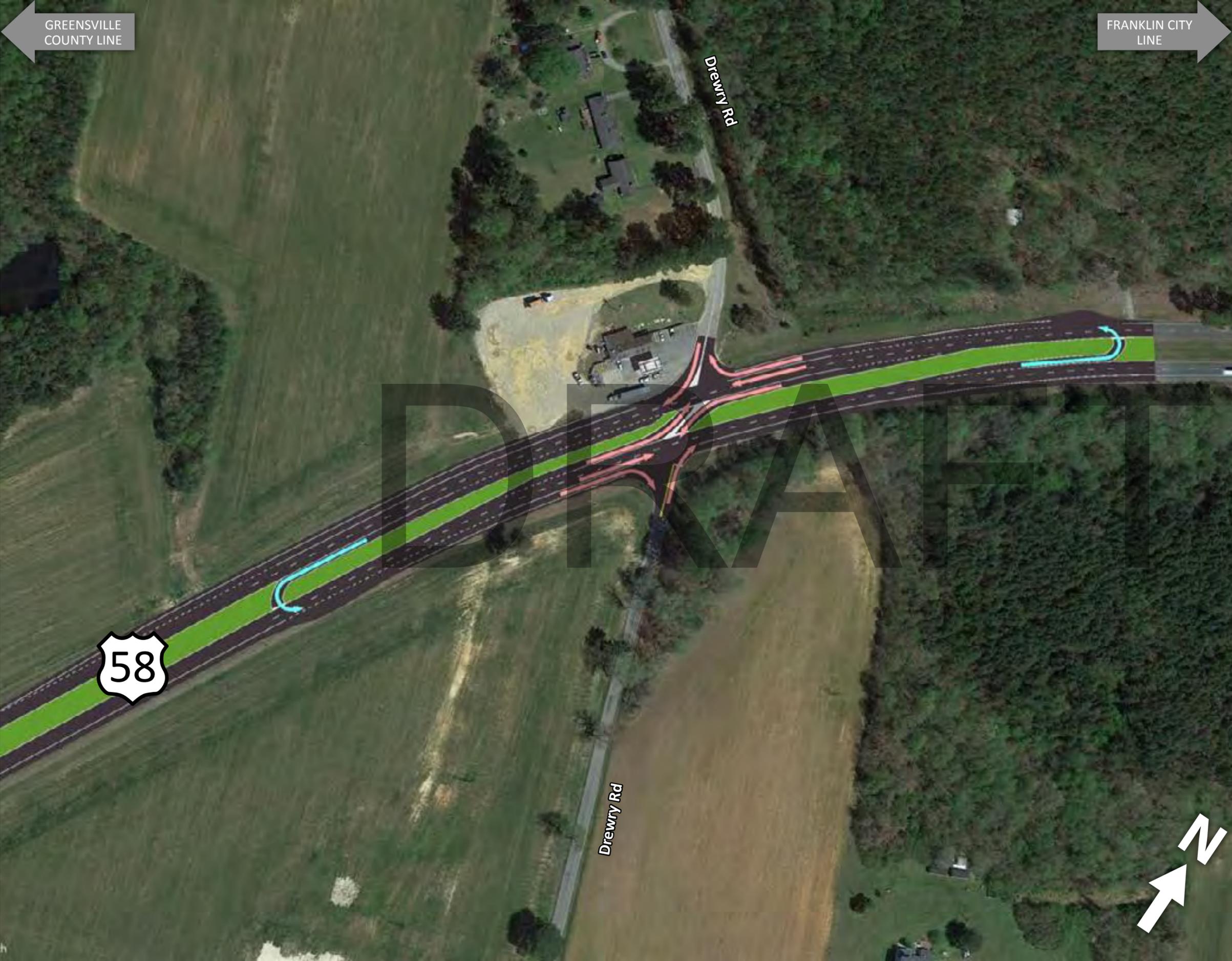
Barhams Hill Rd

Drewry Rd



- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement





US 58 Arterial Preservation Plan
Figure 18
Intersection #24: US 58 and Drewry Rd
Southampton County

Recommendation: Reconfigure intersection of US 58 and Drewry Rd to Restricted Crossing U-Turn (RCUT). Construct u-turn areas with loons east and west of intersection at Drewry Rd and US 58. Extend existing right turn lanes on US 58 to u-turn areas. Construct acceleration lane for southbound Drewry Rd to westbound US 58. Reconstruct all existing turn lanes to VDOT design standards.

ROW Impacts: Minimal land acquisition and disturbance. Loons and turn lane work may require minimal land acquisition.

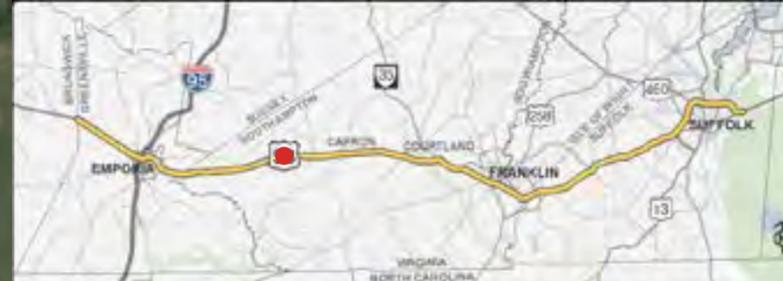
Improvement Type: Safety, Travel Time Preservation

Traffic Operations & Safety:

Traffic Operations	Minimal Improvements
Safety	Reduced conflict points where vehicles cross paths. Reduced risk of head-on collisions.

Cost: \$1.7M to \$2.3M

Standard Movements
 Rerouted Movements



GREENSVILLE COUNTY LINE

FRANKLIN CITY LINE

US 58 Arterial Preservation Plan Figure 19 Intersections & Median Crossovers Southampton County

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

Crossover #50:
Recommendation: No Recommendation

Crossover #51:
Recommendation: No Recommendation

Crossover #52:
Recommendation: No Recommendation

Crossover #53:
Recommendation: No Recommendation

Crossover #54:
Recommendation: No Recommendation

Crossover #55:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

Intersection #25: 3 Creeks Rd with US 58
Recommendation: No Recommendation



C#50



C#52



C#54



I#25

3 Creeks Rd



C#51



C#53



C#55



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- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement



GREENSVILLE COUNTY LINE

FRANKLIN CITY LINE

US 58 Arterial Preservation Plan Figure 20 Intersections & Median Crossovers Southampton County

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

Crossover #56:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

Crossover #57:
Recommendation: No Recommendation

Intersection #26: Angelico Rd with US 58
Recommendation: Lengthen existing right and left eastbound turn lanes on US 58. Construct westbound right-turn lane on US 58
Cost: \$0.8M to \$1.2M

Crossover #58:
Recommendation: No Recommendation

Crossover #59:
Recommendation: No Recommendation

Crossover #60:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

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



C#59

I#26

C#56

Capron

Old Lamb Rd

Main St



Angelico Rd

C#57

C#58

C#60



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GREENSVILLE COUNTY LINE

FRANKLIN CITY LINE

US 58 Arterial Preservation Plan Figure 21 Intersections & Median Crossovers Southampton County

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

Crossover #61:
Recommendation: No Recommendation

Crossover #62:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

Intersection #27: Old Lamb Rd with US 58
Recommendation: Lengthen existing right and left eastbound turn lanes on US 58. Construct westbound right-turn lane on US 58
Cost: \$0.8M to \$1.2M



Capron

Old Lamb Rd

Main St



Angelic Rd

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



GREENSVILLE COUNTY LINE

FRANKLIN CITY LINE

US 58 Arterial Preservation Plan Figure 22 Intersections & Median Crossovers Southampton County

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

Intersection #28-29: Main St with US 58
Recommendation: Reconfigure to RCUT. Reconfigure Main St intersection (I#28) to main RCUT intersection. Reconfigure Meadow St intersection (I#29) to u-turn area. Construct u-turn area west of main intersection.
Cost: \$1.2M to \$1.8M

Crossover #63:
Recommendation: No Recommendation

Crossover #64:
Recommendation: No Recommendation

Intersection #30: Rawlings Rd with US 58
Recommendation: Construct right-turn lanes on US 58
Cost: \$0.6M to \$0.9M

Crossover #65:
Recommendation: No Recommendation

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- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement



GREENSVILLE COUNTY LINE

FRANKLIN CITY LINE

US 58 Arterial Preservation Plan Figure 23 Intersections & Median Crossovers Southampton County

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

Crossover #66:
Recommendation: Remove crossover
Cost: \$0.3 to \$0.4

Intersection #31: Pope Station Rd with US 58
Recommendation: Construct right-turn lanes on US 58
Cost: 0.6M to \$0.9M

Crossover #67:
Recommendation: Remove crossover
Cost: \$0.3 to \$0.4M

Crossover #68:
Recommendation: No Recommendation

C#66

C#67

Pope Station Rd



I#31

C#68



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- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement



GREENSVILLE COUNTY LINE

FRANKLIN CITY LINE

US 58 Arterial Preservation Plan Figure 24 Intersections & Median Crossovers Southampton County

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

Crossover #69:
Recommendation: Remove crossover
Cost: \$0.3 to \$0.4M

Crossover #70:
Recommendation: No Recommendation

Intersection #32: Buckhorn Quarter Rd with US 58
Recommendation: No Recommendation

Intersection #33: Medicine Springs Rd with US 58
Recommendation: No Recommendation

Crossover #71:
Recommendation: No Recommendation

Crossover #72:
Recommendation: No Recommendation

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Buckhorn Quarter Rd

Medicine Springs Rd

C#70

I#32

C#71

C#69

I#33

C#72



- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement



GREENSVILLE COUNTY LINE

FRANKLIN CITY LINE

US 58 Arterial Preservation Plan Figure 25 Intersections & Median Crossovers Southampton County

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

Crossover #73:
Recommendation: See Figures 26 and 27
Cost:
CGT: \$0.9M to \$1.2M
New Access Road: \$3.1M to \$4.0M

Crossover #74:
Recommendation: Sign for "Authorized Vehicles Only"

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Meherrin Rd

C#74

C#73



- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement



GREENSVILLE COUNTY LINE

FRANKLIN CITY LINE

US 58 Arterial Preservation Plan Figure 26 Crossover #73 Option #1: Continuous Green-T Southampton County

Install physical barrier to prevent vehicles exiting ramp from turning left at CGT



Southampton High School

Meherrin Rd

Recommendation: Reconfigure crossover at Southampton Highschool and US 58 to Continuous Green-T (CGT). Extend all existing turn lanes on US 58 to VDOT design standards.

ROW Impacts: Little to no land acquisition as the majority of work will occur in the existing ROW.

Improvement Type: Safety, Travel Time Preservation

Traffic Operations & Safety:

- Traffic Operations: CGT improves delay for westbound US 58 turning movements from Southampton High School
- Safety: CGT reduces conflict points for vehicles traveling westbound US 58

Cost: \$0.9M to \$1.2M

- Standard Movements
- Rerouted Movements Entering High School



GREENSVILLE COUNTY LINE

FRANKLIN CITY LINE



Southampton High School

Meherrin Rd

US 58 Arterial Preservation Plan
Figure 27
Crossover #73
Option #2: New Access Road
Southampton County

Recommendation: Remove crossover and left-turn on US 58 westbound across from Southampton High School. Construct new road around school in the southwest corner.

ROW Impacts: Significant land acquisition and disturbance will be required to construct new road.

Improvement Type: Safety, Travel Time Preservation

Traffic Operations & Safety:

Traffic Operations Increased capacity for vehicles exiting the school going westbound US 58 and onto Meherrin Rd.

Safety Eliminates weave section between Meherrin Ramp onto US 58 westbound. Reduced risk of crashes since new road intersects with lower speed and volume Meherrin Road. Reduced cut-through traffic through bus loading area.

Cost: \$3.1M to \$4.0M

-  Standard Movements
-  Rerouted Movements Entering High School
-  Rerouted Movements Exiting High School



GREENSVILLE COUNTY LINE

FRANKLIN CITY LINE

US 58 Arterial Preservation Plan Figure 28 Intersections & Median Crossovers Southampton County

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

Crossover #75:
Recommendation: Courtland Interchange project underway – UPC 17728

Intersection #34: Jerusalem Rd with US 58
Recommendation: Courtland Interchange project underway – UPC 17728

Crossover #76-79:
Recommendation: See Figures 29, 30 and 31
Cost: \$8.7M to \$11.4M

Intersection #35: Story Station Rd with US 58
Recommendation: See Figures 30 and 32
Cost: \$1.2M to \$1.8M

Crossover #80:
Recommendation: Sign for “Authorized Vehicles Only”



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Jerusalem Rd

Story Station Rd



- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement



GREENSVILLE COUNTY LINE

FRANKLIN CITY LINE

US 58 Arterial Preservation Plan Figure 29 Crossovers #76 to #79: Option 1

Southampton County

Recommendation: Widen eastbound US 58 lanes to construct continuous right-turn lane through to the intersection of Story Station Rd and US 58. Removal and realignment of traffic markings on eastbound US 58 will be necessary to accommodate right-turn lane. Reconfigure the three crossovers to directional medians.

ROW Impacts: Minimal land acquisition as most of the widening is within ROW

Improvement Type: Safety, Travel Time Preservation

Traffic Operations & Safety:

Traffic Operations Less stops and slow-downs caused by vehicles turning right on eastbound US 58

Safety Providing a right-turn lane decreases the risk and frequency of rear-end crashes. Directional medians reduce the number of permitted movements, thus decreasing number of conflicts that may occur.

Cost: \$3.7M to \$4.9M

Standard Movements



GREENSVILLE COUNTY LINE

FRANKLIN CITY LINE

SEE FIGURE 31

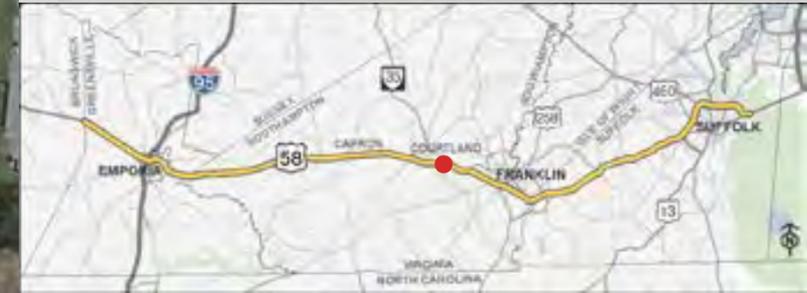
SEE FIGURE 32 (Independent Project)



To Old Bridge Rd

Story Station Rd

US 58 Arterial Preservation Plan
Figure 30
Courtland Area Summary - Option 2



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GREENSVILLE COUNTY LINE

FRANKLIN CITY LINE

US 58 Arterial Preservation Plan

Figure 31

Crossovers #76 to #79: Option 2

Southampton County

Recommendation: Realign US 58 to reduce commercial access points on US 58 eastbound. Construct westbound two-lane roadway north of existing US 58 alignment. Realign US 58 eastbound lanes onto existing US 58 westbound lanes. Utilize existing US 58 eastbound lanes for frontage road and construct extension to Old Bridge Rd. Construct Continuous Green-T (CGT) intersection with frontage road.

ROW Impacts: Significant land acquisition and disturbance will be required to realign US 58 and frontage road extension to Old Bridge Rd.

Improvement Type: Safety, Travel Time Preservation

Traffic Operations & Safety:

Traffic Operations CGT improves delay for westbound US 58 turning movements from frontage road

Safety Realignment eliminates multiple commercial access points reducing conflicts from turning vehicles. Realignment also permits for safer travel of higher speeds. CGT reduces conflict points for vehicles traveling westbound US 58

Cost: \$8.7M to \$11.4M

Standard Movements



To Old Bridge Rd



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GREENSVILLE COUNTY LINE

FRANKLIN CITY LINE

US 58 Arterial Preservation Plan
Figure 32
Intersection #35: US 58 and Story Station Rd
Southampton County

Recommendation: Reconfigure main intersection of US 58 and Story Station Rd to signalized Restricted Crossing U-Turn (RCUT). Construct u-turn areas east and west of existing intersection.

ROW Impacts: Little to no land acquisition as the majority of work is within the existing ROW.

Improvement Type: Congestion, Safety, Travel Time Preservation

Traffic Operations:

Total Intersection Delay (s)	AM	PM
Existing Conditions	18.2 - B	19.6 - B
2040 No Build Conditions (Conventional Intersection)	19.4 - B	23.5 - C
2040 Build Conditions	14.0 - B	12.0 - B

Cost: \$1.2M to \$1.8M

Standard Movements
 Rerouted Movements



GREENSVILLE COUNTY LINE

FRANKLIN CITY LINE

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

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

Intersection #36: Shady Brook Tr with US 58
Recommendation: Reconfigure intersection to directional median permitting left-turns in only from westbound US 58. Lengthen westbound left-turn lane on US 58.
Cost: \$0.3M to \$0.4M

Intersection #37: New Market Rd with US 58
Recommendation: Lengthen westbound left- turn lane on US 58. Construct eastbound right-turn lane on US 58
Cost: \$0.5 to \$0.8M

Crossover #81:
Recommendation: Remove crossover
Cost: \$0.3M to \$1.2M

Intersection #38: Camp Pkwy with US 58
Recommendation: See Figure 34
Cost: \$0.8M to \$1.2M

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I#36

I#38

I#37

C#81



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



Camp Parkway

New Market Rd

Shady Brook Trail



US 58 Arterial Preservation Plan
Figure 34
Intersection #38: US 58 and Camp Pkwy
Southampton County

Recommendation: Reconfigure intersection of US 58 and Camp Pkwy to signaled Continuous Green-T (CGT)

ROW Impacts: Little to no land acquisition as the majority of work within the existing ROW.

Improvement Type: Congestion, Safety, Travel Time Preservation

Traffic Operations:

Total Intersection Delay (s)	AM	PM
Existing Conditions	18.2 - B	19.6 - B
2040 No Build Conditions (Conventional Intersection)	12.9 - B	22.3 - C
2040 Build Conditions	12.0 - B	9.4 - A

Cost: \$0.8M to \$1.2M

Standard Movements



GREENSVILLE
COUNTY LINE

SUFFOLK CITY
LINE

US 58 Arterial Preservation Plan

Figure 35

Intersections & Median Crossovers

Southampton County/City of Franklin

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

No recommendations for the Franklin Bypass

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Armory Dr

South St

Franklin



- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement



FRANKLIN CITY LINE

CHESAPEAKE CITY LINE

US 58 Arterial Preservation Plan

Figure 36

Intersections & Median Crossovers

City of Suffolk

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

No recommendations for the Franklin Bypass

DRAFT

Pretlow Rd



- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement



FRANKLIN CITY LINE

CHESAPEAKE CITY LINE

US 58 Arterial Preservation Plan

Figure 37

Intersections & Median Crossovers

City of Suffolk

I## - Intersection #

C## - Crossover #

Intersection #39-40:
Recommendation: See Figure 38
Cost: \$1.1M to \$1.3M

Crossover #82:
Recommendation: See Figure 38

Crossover #83:
Recommendation: No Recommendation

Intersection #41: S Quay Rd with US 58
Recommendation: Lengthen all existing turn lanes on US 58
Cost: \$1.1M to \$1.6M

Crossover #84:
Recommendation: Lengthen existing left-turn lanes on US 58
Cost: \$0.5M to \$0.7M

- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement



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S Quay Rd

Holy Neck Rd

S Quay Rd

I#39

C#82

I#41

I#40

C#83

C#84



FRANKLIN CITY LINE

CHESAPEAKE CITY LINE

US 58 Arterial Preservation Plan

Figure 38

Intersection #39: US 58 and S Quay Rd

Intersection #40: US 58 and Holy Neck Rd

City of Suffolk

Recommendation: Reconfigure area to Restricted Crossing U-turn (RCUT). Reconfigure intersection of S Quay Rd with US 58 to permit left and u-turns only from westbound US 58 and right ins/outs of S Quay Rd. Reconfigure intersection of US 58 and Holy Neck Rd to main RCUT intersection. Reconfigure crossover east of main intersection to u-turn area.

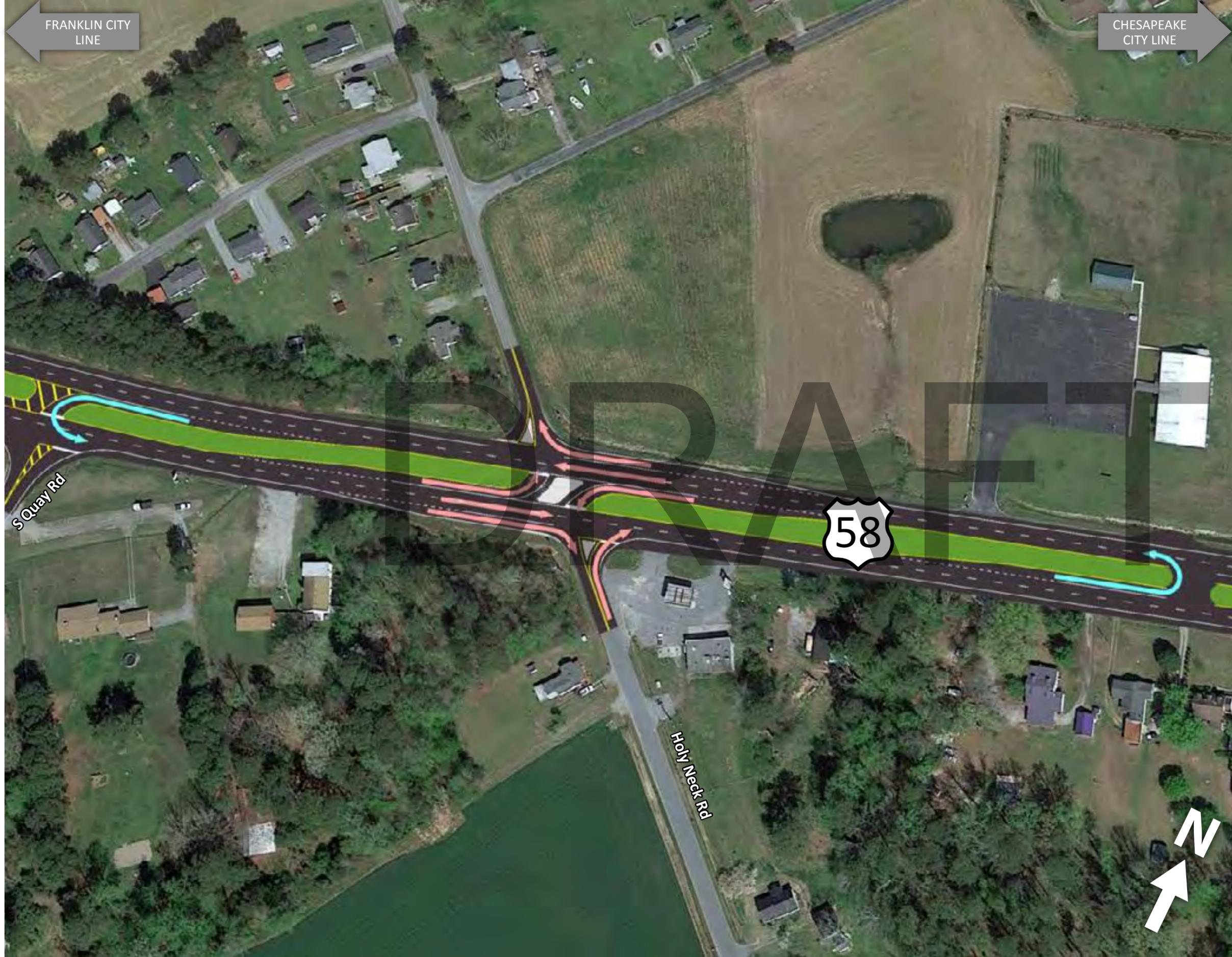
ROW Impacts: Little to no land acquisition as the majority of work within the existing ROW.

Improvement Type: Safety, Travel Time Preservation

Traffic Operations Minimal Improvements

Safety Reduced conflict points where vehicles cross paths. Reduced risk of head-on collisions.

Cost: \$1.0M to \$1.3M



FRANKLIN CITY LINE

CHESAPEAKE CITY LINE

US 58 Arterial Preservation Plan Figure 39 Intersections & Median Crossovers City of Suffolk

- Intersection #
C## - Crossover #

Intersection #42: Leafwood Rd with US 58
Recommendation: Lengthen existing left-turn lanes on US 58. Construct eastbound right-turn lane on US 58
Cost: \$0.8M to \$1.1M

Crossover #85:
Recommendation: Lengthen existing left-turn lanes on US 58
Cost: \$0.5M to \$0.7M

Intersection #43: Elwood Rd with US 58
Recommendation: Lengthen existing left-turn lanes on US 58. Construct westbound right-turn lane on US 58
Cost: \$0.8M to \$1.1M

Crossover #86:
Recommendation: Lengthen existing left-turn lanes on US 58
Cost: \$0.5M to \$0.7M

Crossover #87:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

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- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement



FRANKLIN CITY LINE

CHESAPEAKE CITY LINE

US 58 Arterial Preservation Plan Figure 40 Intersections & Median Crossovers City of Suffolk

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

Intersection #44: Brentwood Rd with US 58
Recommendation: Lengthen all existing turn lanes on US 58
Cost: \$1.1M to \$1.6M

Crossover #88:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

Crossover #89:
Recommendation: No Recommendation

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C#88

I#44

C#89

Brentwood Rd

Elwood Rd

Leafwood Rd



- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement



FRANKLIN CITY LINE

CHESAPEAKE CITY LINE

US 58 Arterial Preservation Plan Figure 41 Intersections & Median Crossovers City of Suffolk

- Intersection #
C## - Crossover #

Intersection #45-46:
Recommendation: Intersections recommended for additional study

Crossover #90-92:
Recommendation: See Figures 45 and 47

Intersection #47: Longstreet Ln with US 58
Recommendation: See Figure 47
Cost: \$3.7 to \$5.1



 No Recommendation	 Minor Improvement
 Recommended Removal	 Major Improvement



FRANKLIN CITY LINE

CHESAPEAKE CITY LINE

US 58 Arterial Preservation Plan Figure 42 Intersections & Median Crossovers City of Suffolk

- Intersection #
C## - Crossover #

Crossover #93:
Recommendation: Reconfigure crossover to directional median to permit left-ins only from eastbound US 58. Right-in/right-outs are still permitted.
Cost: \$0.3M to \$0.4M

Intersection #48: Pioneer Rd with US 58
Recommendation: No recommendation

Crossover #94:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

Crossover #95:
Recommendation: Sign for "Authorized Vehicles Only"

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- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement



O'Kelly Dr

S Quay Rd

Holland Rd

Longstreet Rd

Pioneer Rd

C#93

I#48

C#94

C#95

FRANKLIN CITY LINE

CHESAPEAKE CITY LINE

SEE
FIGURE 44

SEE
FIGURE 46

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SEE FIGURE 46 FOR
REALIGNMENT
RECOMMENDATION

US 58 Arterial Preservation Plan
Figure 43
Holland Bypass Area Summary



FRANKLIN CITY LINE

CHESAPEAKE CITY LINE

US 58 Arterial Preservation Plan

Figure 44

Crossover #90

City of Suffolk

Recommendation: Reconfigure crossover #90 to Restricted Crossing U-Turn (RCUT). Reconfigure existing crossover #91 to u-turn area west of intersection. Utilize eastbound US 58 on-ramp as u-turn area (see inset). Extend all existing turn lanes on US 58 to VDOT design standards

ROW Impacts: Minimal land acquisition may be required for loons and right-turn lanes.

Improvement Type: Safety, Travel Time Preservation

Traffic Operations & Safety:

Traffic Operations: Minimal Improvements

Safety: Reduced conflict points where vehicles cross paths. Reduced risk of head-on collisions.

Cost:
Total Project: \$4.7M to \$6.5M
Crossover #90 RCUT: \$0.8M to \$1.1M

Standard Movements
Rerouted Movements



C #90

US 58 Eastbound Ramp



FRANKLIN CITY LINE

CHESAPEAKE CITY LINE



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US 58 Arterial Preservation Plan

Figure 45

Holland Rd Realignment

City of Suffolk

Recommendation: Reconfigure existing alignment and remove reverse curve.

ROW Impacts: Significant land acquisition and disturbance is required north of US 58.

Improvement Type: Safety, Travel Time Preservation

Traffic Operations & Safety:

Traffic Operations Safer travel at higher speeds reduces travel time

Safety Realignment improves sight distance along US 58.

Cost:
Total Project: \$4.7M to \$6.5M
Realignment: \$2.7M to \$3.6M



FRANKLIN CITY LINE

CHESAPEAKE CITY LINE

US 58 Arterial Preservation Plan

Figure 46

Intersection #47: US 58 and Longstreet Ln City of Suffolk

Recommendation: Reconfigure intersection of US 58 and Longstreet Ln to Restricted Crossing U-Turn (RCUT). Construct u-turn areas east and west of main intersection. Extend all existing turn lanes on US 58 to VDOT design standards. Realign Longstreet Ln with new realignment of US 58/Holland Rd.

ROW Impacts: Minimal land acquisition and disturbance. Turn lane work may require minimal land acquisition.

Improvement Type: Safety, Travel Time Preservation

Traffic Operations & Safety:

Traffic Operations Minimal Improvements

Safety Reduced conflict points where vehicles cross paths. Reduced risk of head-on collisions.

Total Project: \$4.7M to \$6.5M
Longstreet Ln RCUT: \$1.2M to \$1.9M

Longstreet Ln



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Standard Movements
Rerouted Movements



SEE FIGURE 44

SEE FIGURE 45

THIS SHEET

FRANKLIN CITY LINE

CHESAPEAKE CITY LINE

US 58 Arterial Preservation Plan Figure 47 Intersections & Median Crossovers City of Suffolk

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

Crossover #96:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

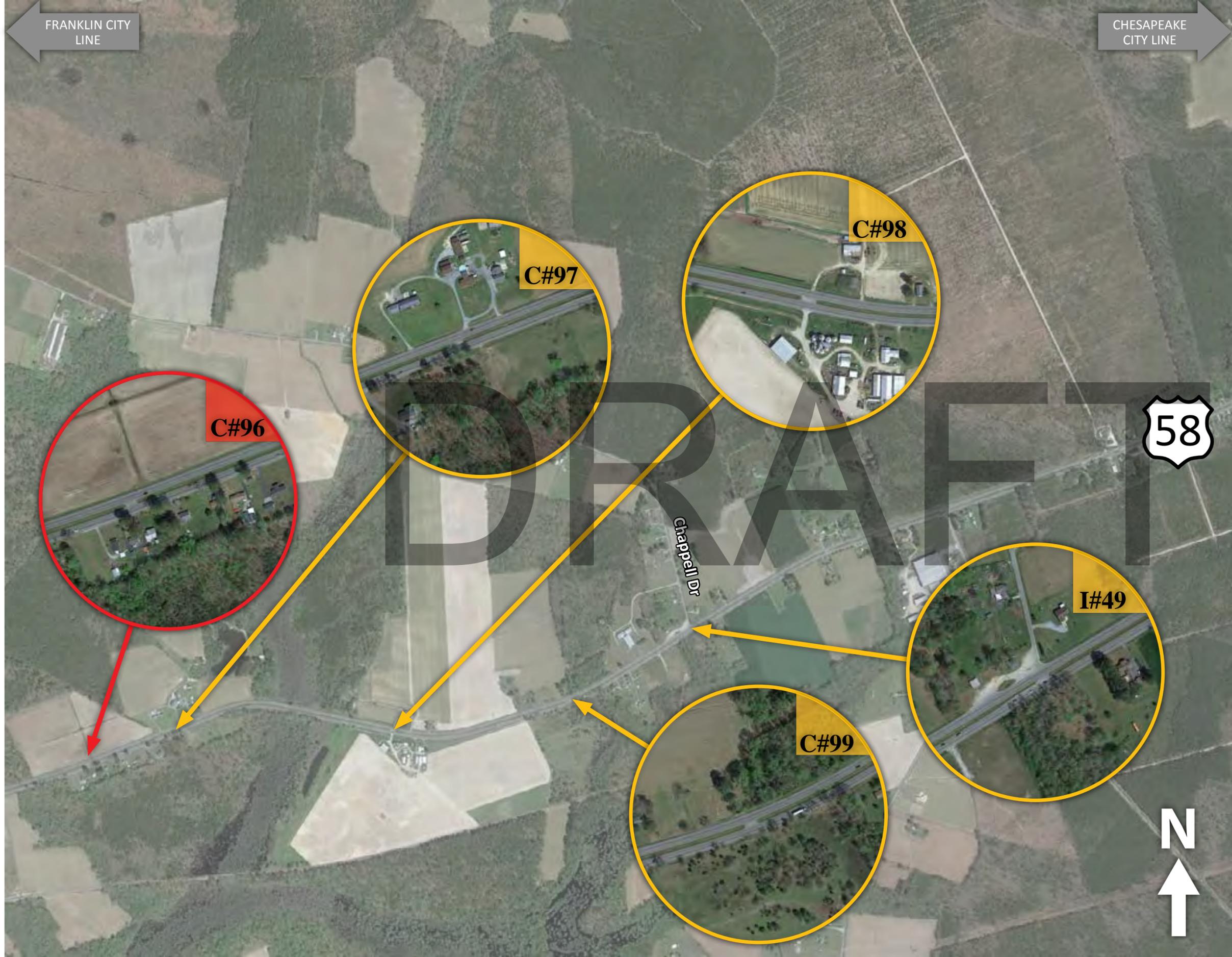
Crossover #97:
Recommendation: Construct left-turn lanes on US 58
Cost: \$0.5M to \$0.7M

Crossover #98:
Recommendation: Construct left-turn lanes on US 58
Cost: \$0.5M to \$0.7M

Crossover #99:
Recommendation: Construct left-turn lanes on US 58
Cost: \$0.5M to \$0.7M

Intersection #49: Chappell Dr with US 58
Recommendation: Lengthen existing left-turn lanes on US 58. Construct westbound right-turn lane on US 58
Cost: \$0.8M to \$1.1M

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



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FRANKLIN CITY LINE

CHESAPEAKE CITY LINE

US 58 Arterial Preservation Plan Figure 48 Intersections & Median Crossovers City of Suffolk

- Intersection #
C## - Crossover #

Crossover #100:
Recommendation: Construct left-turn lanes on US 58
Cost: \$0.5M to \$0.7M

Intersection #50: Lummis Dr with US 58
Recommendation: See Figure 49
Cost: \$0.8M to \$1.1M

Crossover #101:
Recommendation: Construct left-turn lanes on US 58
Cost: \$0.5M to \$0.7M

Crossover #102:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

Crossover #103:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

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C#100



I#50



C#101



C#103



C#102

Lummis Dr



- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement



FRANKLIN CITY LINE

CHESAPEAKE CITY LINE



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Lummis Rd

US 58 Arterial Preservation Plan

Figure 49

Intersection #50: US 58 and Lummis Rd

City of Suffolk

Recommendation: Reconfigure main intersection of US 58 and Lummis Rd to Continuous Green-T (CGT). Extend existing right-turn lane on US 58 eastbound to VDOT design standards.

ROW Impacts: Significant land acquisition will be required to accommodate acceleration lane due to grade of median and realigning US 58 westbound lanes.

Improvement Type: Safety, Travel Time Preservation

Traffic Operations & Safety:

Traffic Operations: Minimal Improvements

Safety: CGT reduces conflict points for vehicles traveling westbound US 58.

Cost: \$1.9M to \$2.7M

Standard Movements



FRANKLIN CITY LINE

CHESAPEAKE CITY LINE

US 58 Arterial Preservation Plan Figure 50 Intersections & Median Crossovers City of Suffolk

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

Crossover #104:
Recommendation: Construct left-turn lanes on US 58
Cost: \$0.5M to \$0.7M

Crossover #105:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

Crossover #106:
Recommendation: Construct eastbound left-turn lane on US 58
Cost: \$0.3M to \$0.4M

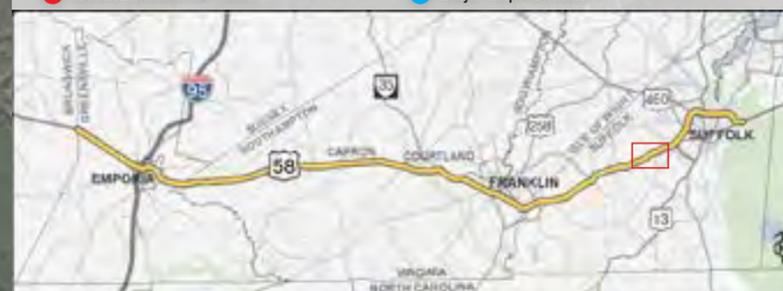
Crossover #107:
Recommendation: Remove crossover
Cost: \$0.3M to \$0.4M

Crossover #108:
Recommendation: Sign for "Authorized Vehicles Only"

Crossover #109:
Recommendation: No recommendation

Crossover #110:
Recommendation: No recommendation

- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement



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Kenyon Rd

Manning Bridge Rd

C#109

C#110

C#107

C#106

C#105

C#108

C#104

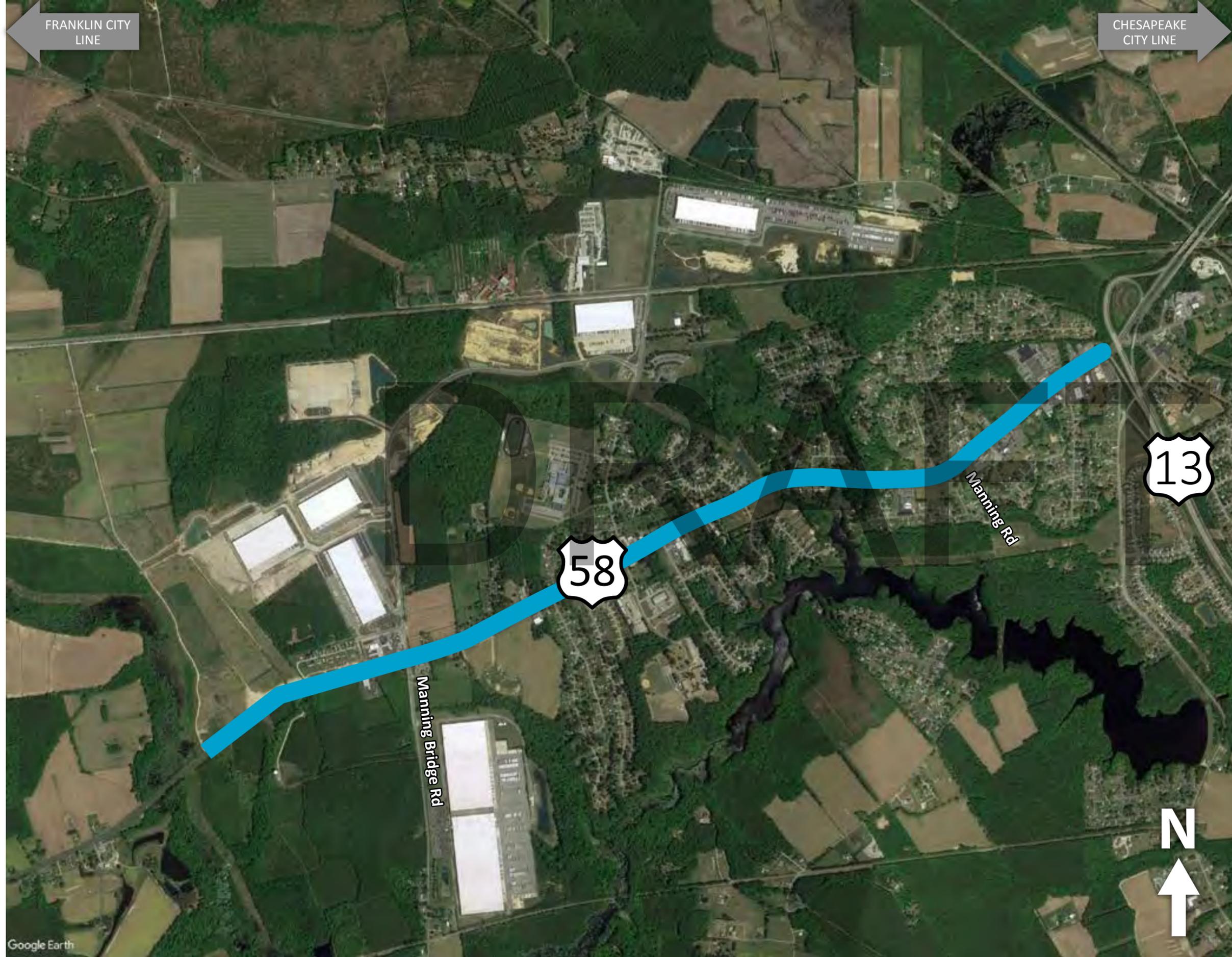
FRANKLIN CITY LINE

CHESAPEAKE CITY LINE

US 58 Arterial Preservation Plan Figure 51 Intersections & Median Crossovers City of Suffolk

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

Manning Bridge Rd to Suffolk Bypass:
US 58 widening from west of Manning Bridge Rd to Suffolk BYP underway.



- No Recommendation
- Recommended Removal
- Minor Improvement
- Major Improvement

