

ARTERIAL

PRESERVATION PROGRAM

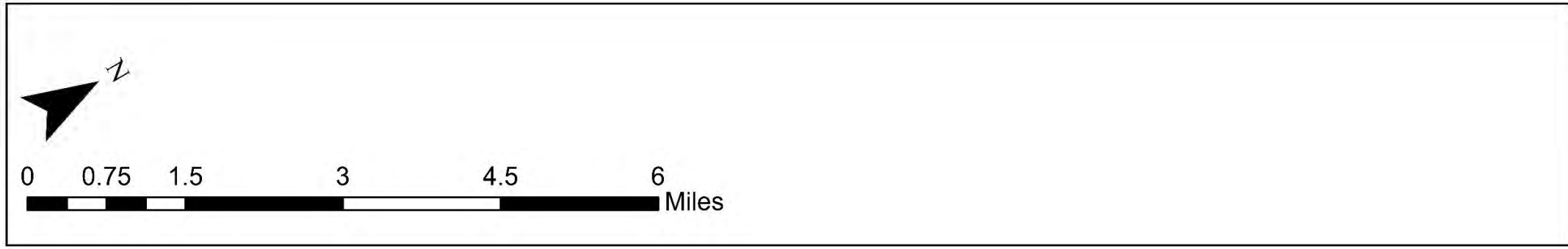
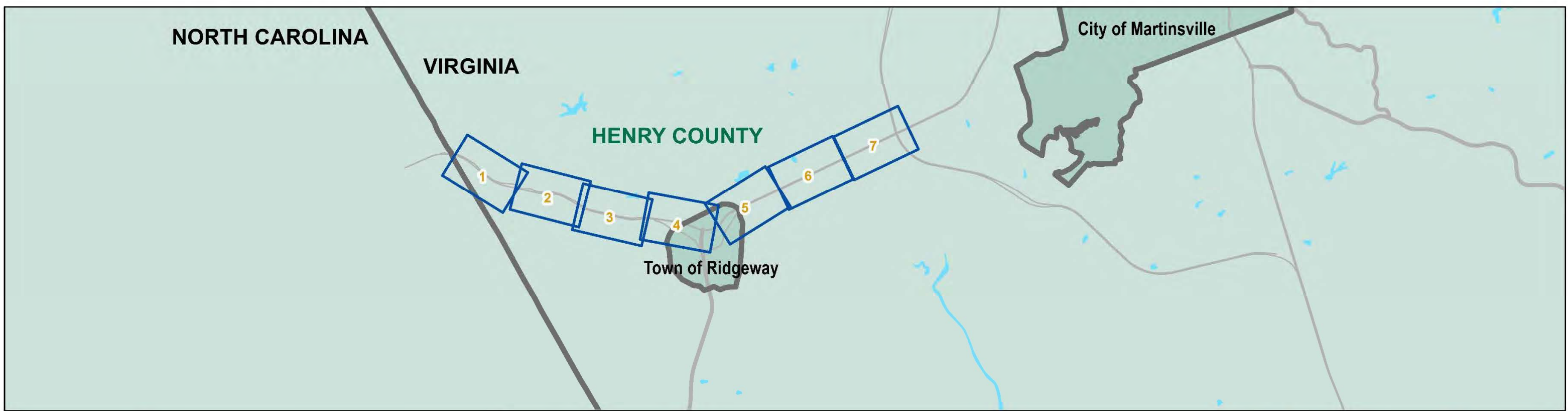
Route 220 Arterial Preservation Plan - Recommendations (November 2019)

The following pages represent the recommendations resulting from a comprehensive transportation of the Route 220 corridor from Southern Lane in Roanoke County to the North Carolina state line. A map key can be found on the next two pages.

More information about the Arterial Preservation Program can be found at:

http://www.virginia-dot.org/programs/vdot_arterial_preservation_program.asp





**US 220 Arterial Preservation Plan
Map Key
Figures 1-25**

The logo for the VDOT ArterialO Preservation Program, featuring the text 'VDOT ARTERIALO' in blue and green, with 'PRESERVATION PROGRAM' in smaller green text below it.

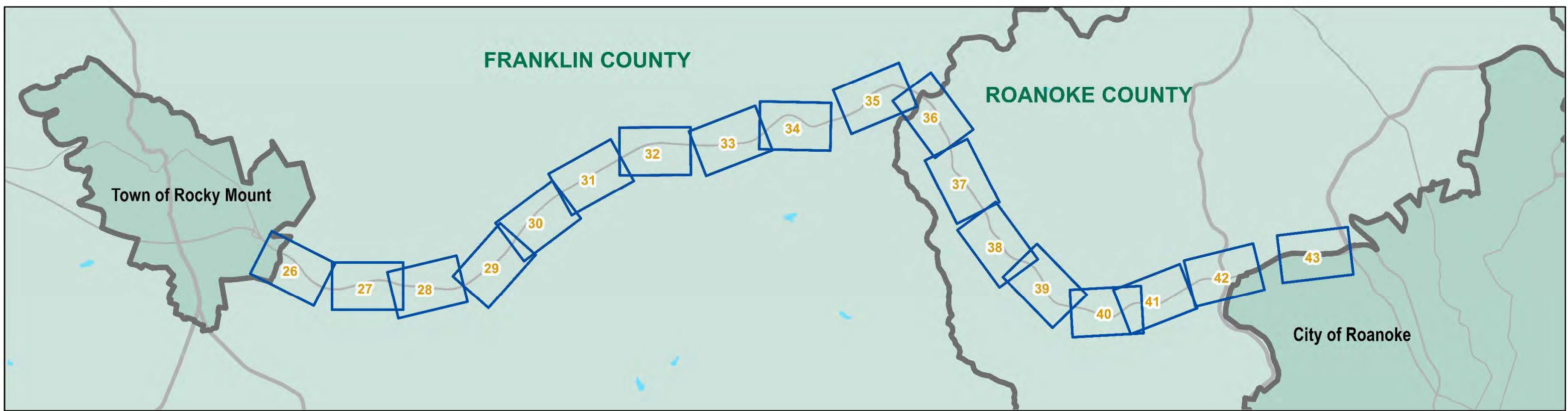


Figure By Jurisdiction

Henry County
Figures 1-13

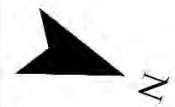
Town of Ridgeway
Figures 4-5

Franklin County
Figures 14-35

Town of Rocky Mount
Figure 26

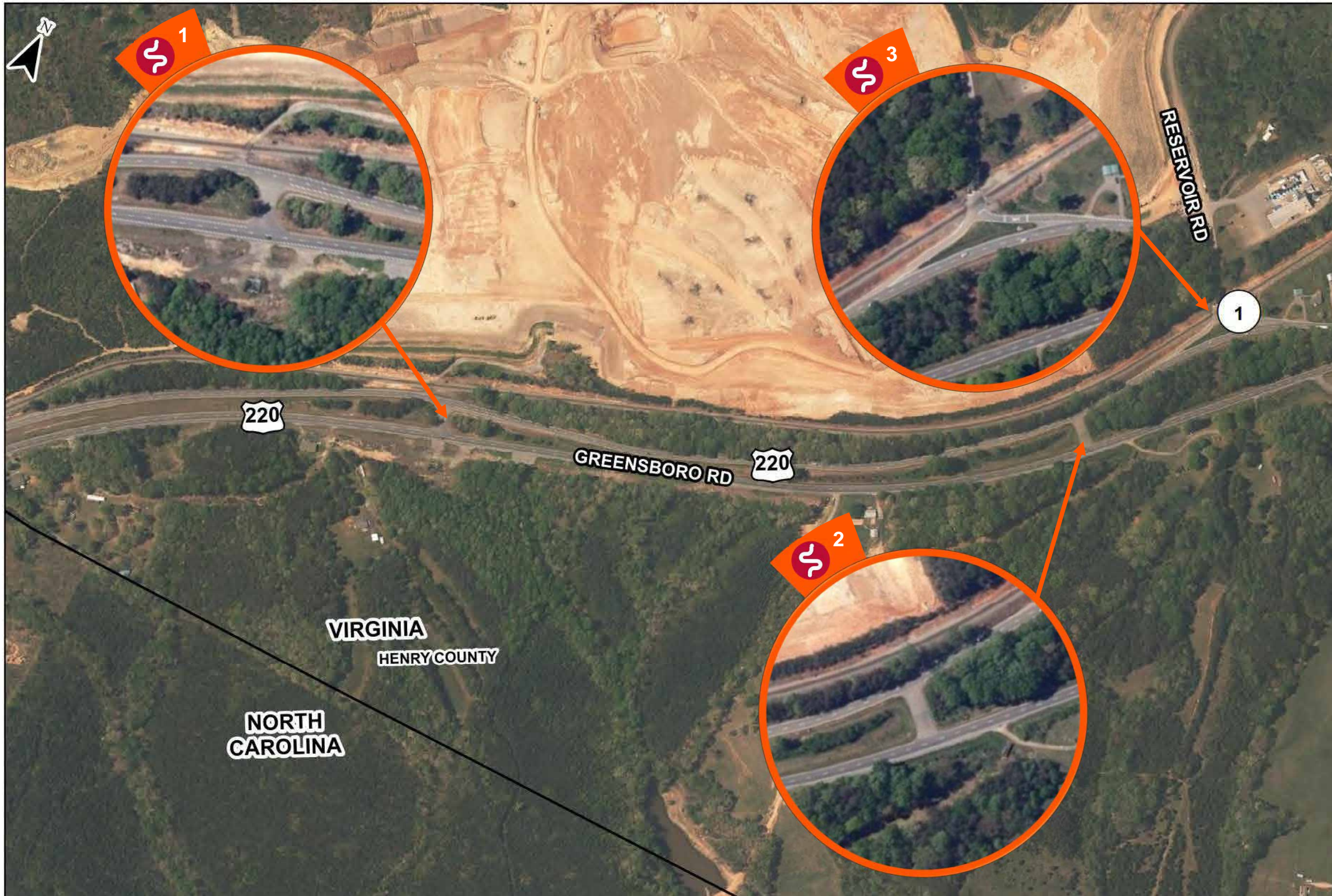
Roanoke County
Figures 36-43

City of Roanoke
Figures 42-43



**US 220 Arterial Preservation Plan
Map Key
Figures 26-43**



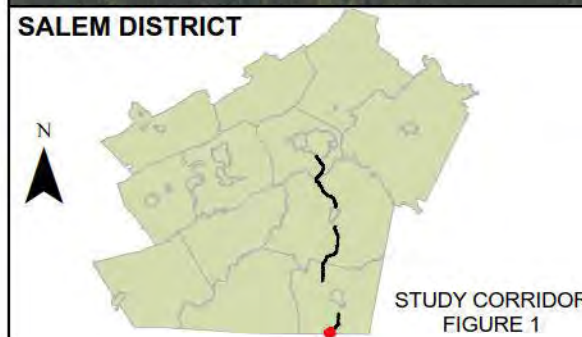


Roadway, Intersection, & Median Crossover Recommendations

1. Route 220 at Crossover north of North Carolina State Line
 - Improve turn lanes to standard
2. Route 220 at Crossover south of Reservoir Road
 - Consolidate and improve access spacing of crossover
3. Route 220 at Reservoir Road
 - Lengthen southbound and eastbound right turn lanes

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs

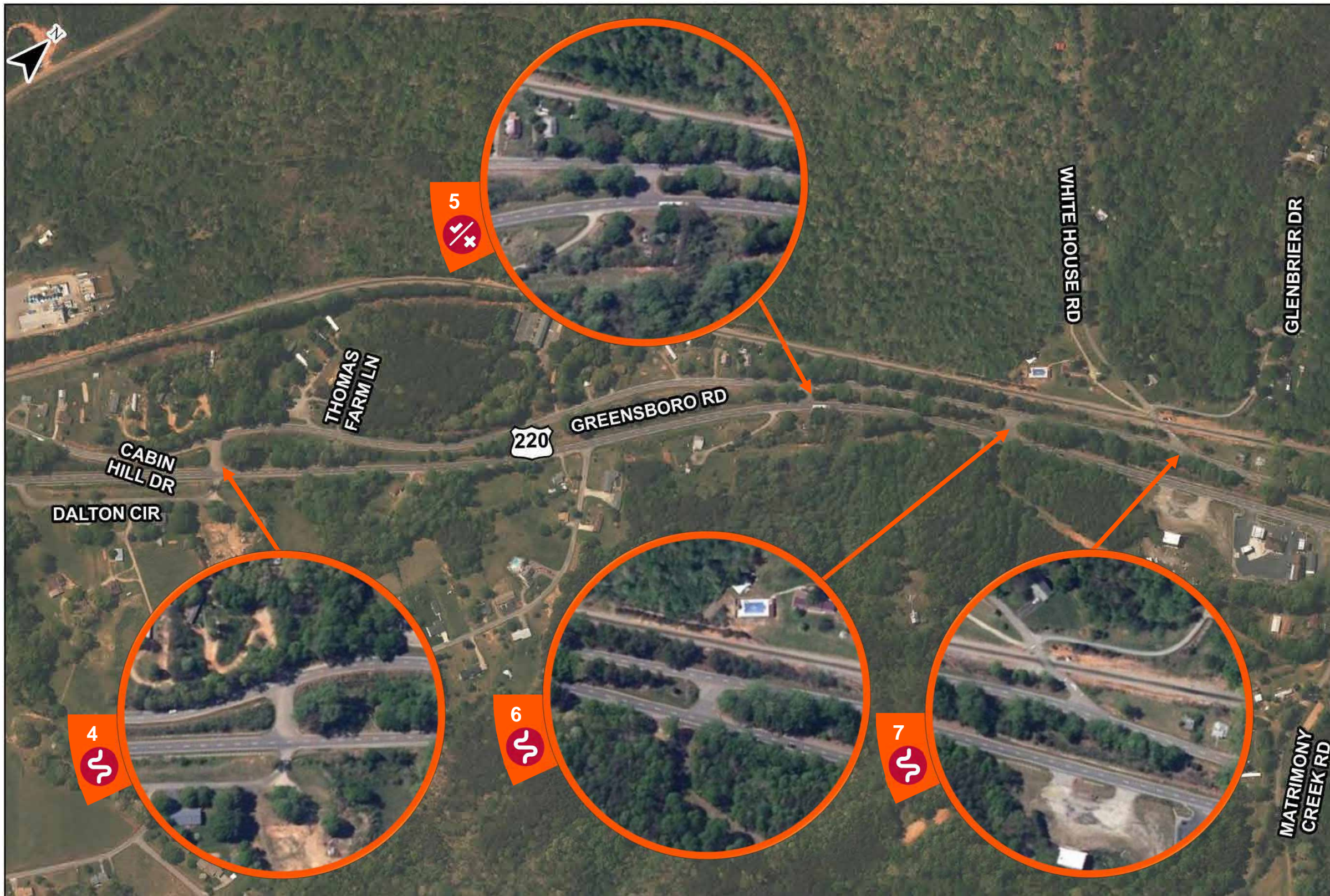


LEGEND

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|---|-----------------------|--|-------------------|--|--------------------|--|--------|
| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

US 220 Arterial Preservation Plan Figure 1 Henry County

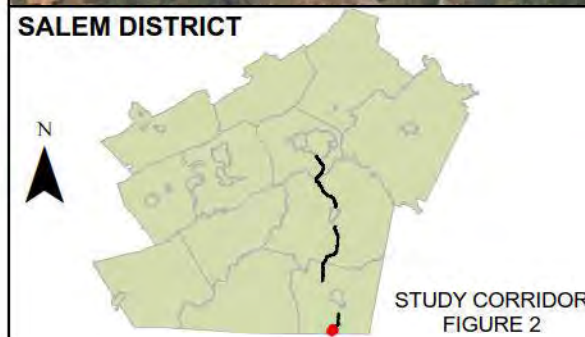




Roadway, Intersection, & Median Crossover Recommendations

- 4. Route 220 at Dalton Circle**
 - Improve turn lanes to standard
 - Construct northbound right turn lane
- 5. Route 220 at Crossover north of Dalton Circle**
 - Consolidate and improve access spacing of crossover
- 6. Route 220 at Crossover south of White House Road**
 - Improve turn lanes to standard
- 7. Route 220 at White House Road**
 - Construct southbound right turn lane

- Roadway**
- Flatten curvature along Route 220
 - Install rumble strips
 - Install guardrail
 - Construct paved shoulders
 - Improve sign consistency
 - Increase sign conspicuity
 - Install advanced curve warning signs



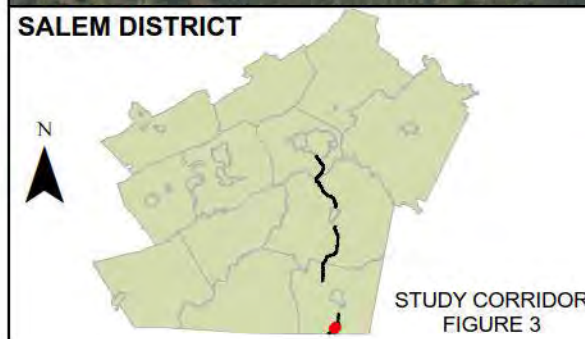
| LEGEND | | Existing Deficiency | | | | | |
|--------|-----------------------|---------------------|-------------------|--|--------------------|--|--------|
| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |



Roadway, Intersection, & Median Crossover Recommendations

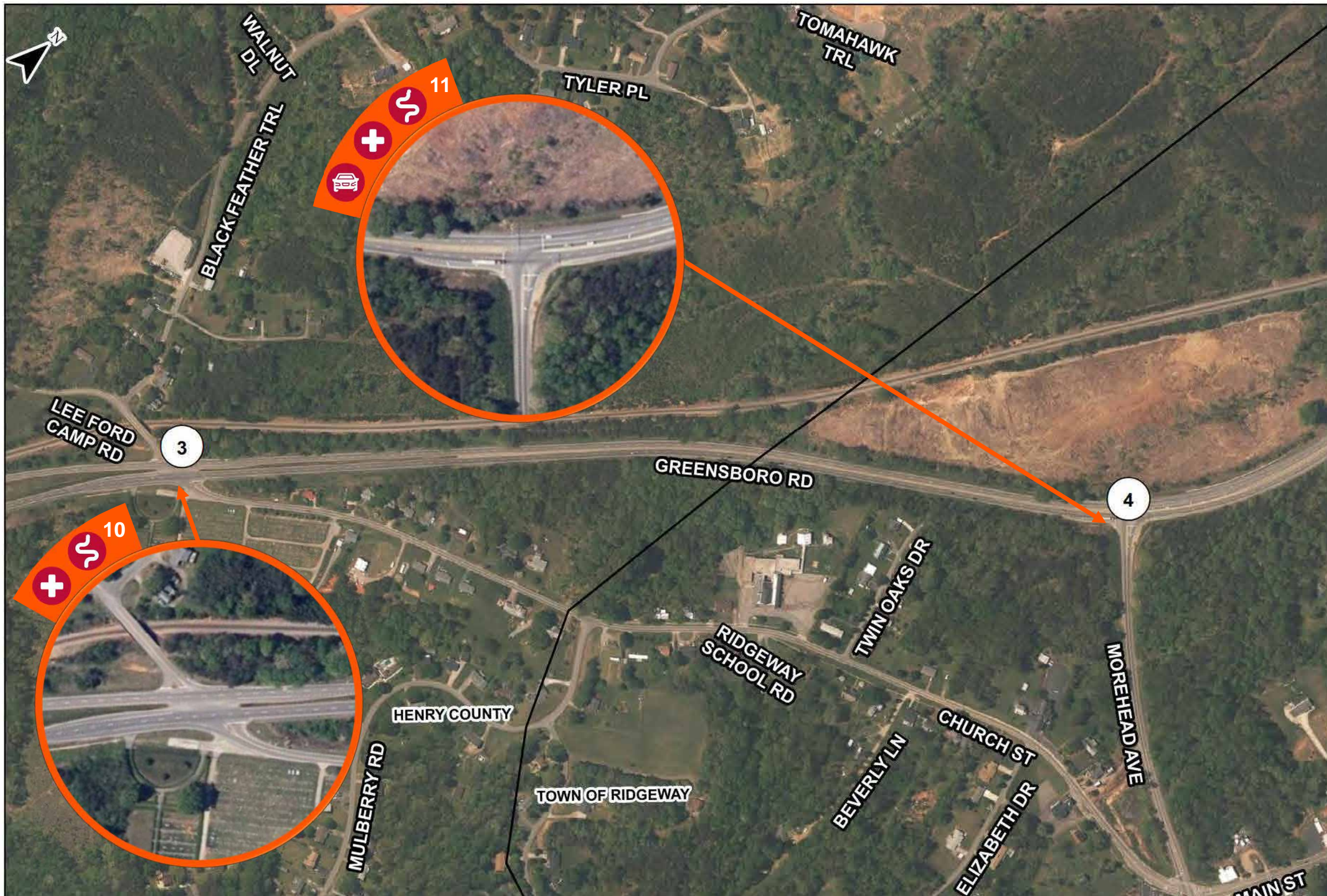
- 8. Route 220 at Crossover north of Matrimony Creek Road**
 - Construct northbound and southbound U-turn lanes
- 9. Route 220 at Crossover north of Intersection 8**
 - Consolidate and improve access spacing of crossover

- Roadway**
- Flatten curvature along Route 220
 - Install rumble strips
 - Install guardrail
 - Construct paved shoulders
 - Improve sign consistency
 - Increase sign conspicuity
 - Install advanced curve warning signs



| LEGEND | | Existing Deficiency | | |
|--------|-----------------------|---------------------|--|--|
| # | Intersection Number | | | |
| # | Emerging Intersection | | | |

US 220 Arterial Preservation Plan
Figure 3
Henry County



Roadway, Intersection, & Median Crossover Recommendations

10. Route 220 at Lee Ford Camp Road/Church Street

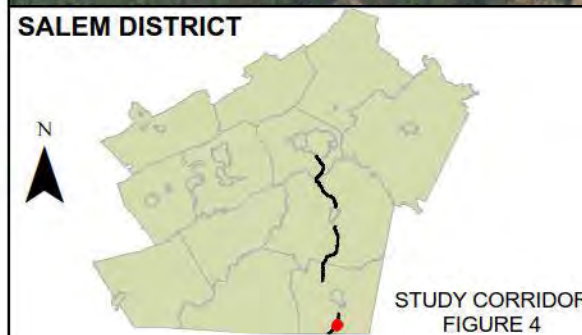
- Remove Church Street (westbound) left turn and through movements
- Remove southbound Route 220 left turn movement into Church Street

11. Route 220 at Morehead Avenue

- Construct signalized Continuous Green-T intersection with southbound acceleration lane

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs



LEGEND

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|---|-----------------------|--|-------------------|--|--------------------|--|--------|
| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

US 220 Arterial Preservation Plan Figure 4 Henry County



Route 220 at Morehead Avenue

Recommendation: Signalized Continuous Green-T

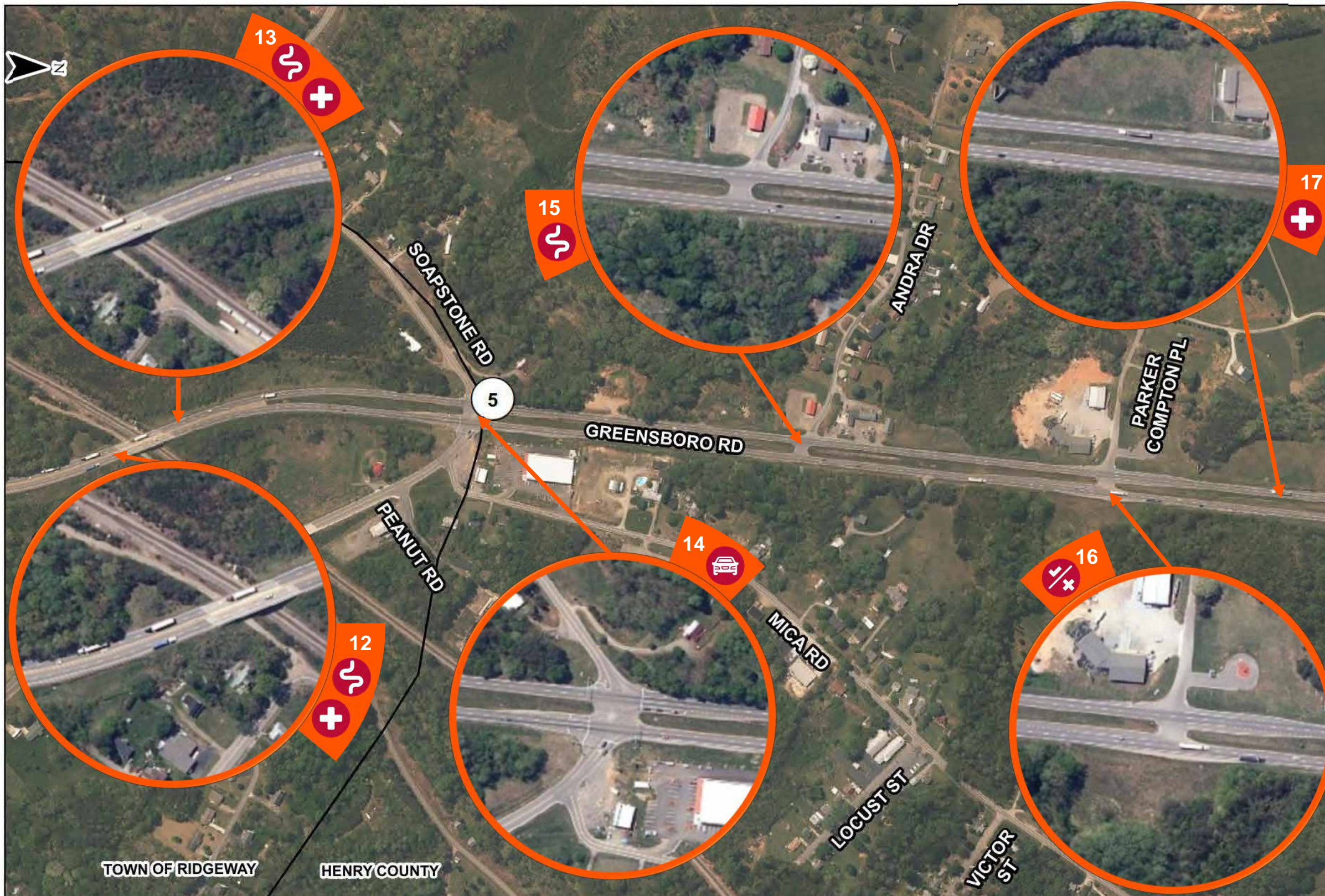
Implementation: Mid-Term (4-10 Years)



220

220

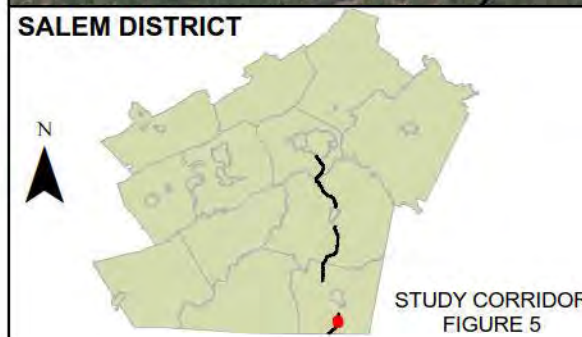
Morehead Road



Roadway, Intersection, & Median Crossover Recommendations

- 12. Route 220 south of railroad overpass**
 - Relocate "Signal Ahead" signs further north on southbound Route 220
- 13. Route 220 north of railroad overpass**
 - Install "Signal Ahead" signs on northbound Route 220
- 14. Route 220 at Soapstone Road**
 - Remove eastbound and westbound through movements and signal phases
- 15. Route 220 at Andra Drive**
 - Construct northbound left/U-turn lane and southbound U-turn lane
- 16. Route 220 at Parker Compton Place**
 - Consolidate and improve access spacing of crossover
- 17. Route 220 north of Parker Compton Place**
 - Install "Signal Ahead" signs on northbound Route 220

- Roadway**
- Flatten curvature along Route 220
 - Install rumble strips
 - Install guardrail
 - Construct paved shoulders
 - Improve sign consistency
 - Increase sign conspicuity
 - Install advanced curve warning signs



LEGEND

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|---|-----------------------|--|-------------------|--|--------------------|--|--------|
| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

US 220 Arterial Preservation Plan Figure 5 Henry County





220

220

Soapstone Road

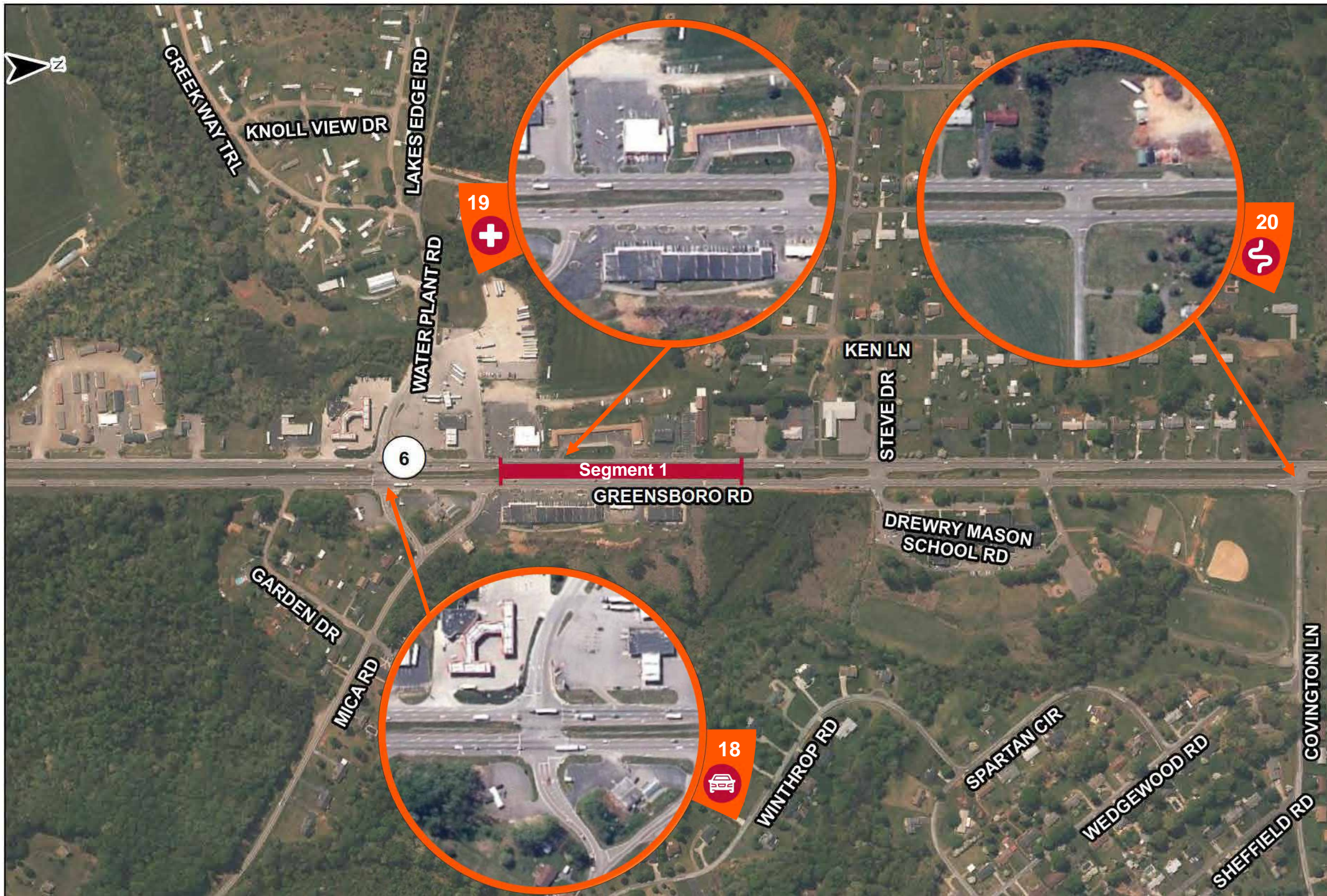
Main Street

ACE
Hardware

Route 220 at Soapstone Road

Recommendation: Through-Cut

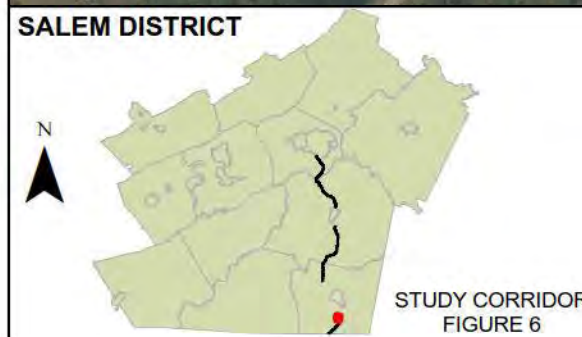
Timeframe: Mid-Term (4-10 Years)



Roadway, Intersection, & Median Crossover Recommendations

- 18. Route 220 at Water Plant Road**
 - Remove eastbound and westbound through movements and signal phases
- 19. Route 220 north of Water Plant Rd**
 - Install "Signal Ahead" signs on southbound Route 220
- Segment 1: Route 220 from Mica Road to east of Mica Road**
 - Consolidate and improve access spacing of crossovers and driveways on northbound and southbound Route 220
- 20. Route 220 at Covington Lane**
 - Improve turn lanes to standard

- Roadway**
- Flatten curvature along Route 220
 - Install rumble strips
 - Install guardrail
 - Construct paved shoulders
 - Improve sign consistency
 - Increase sign conspicuity
 - Install advanced curve warning signs



LEGEND

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| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

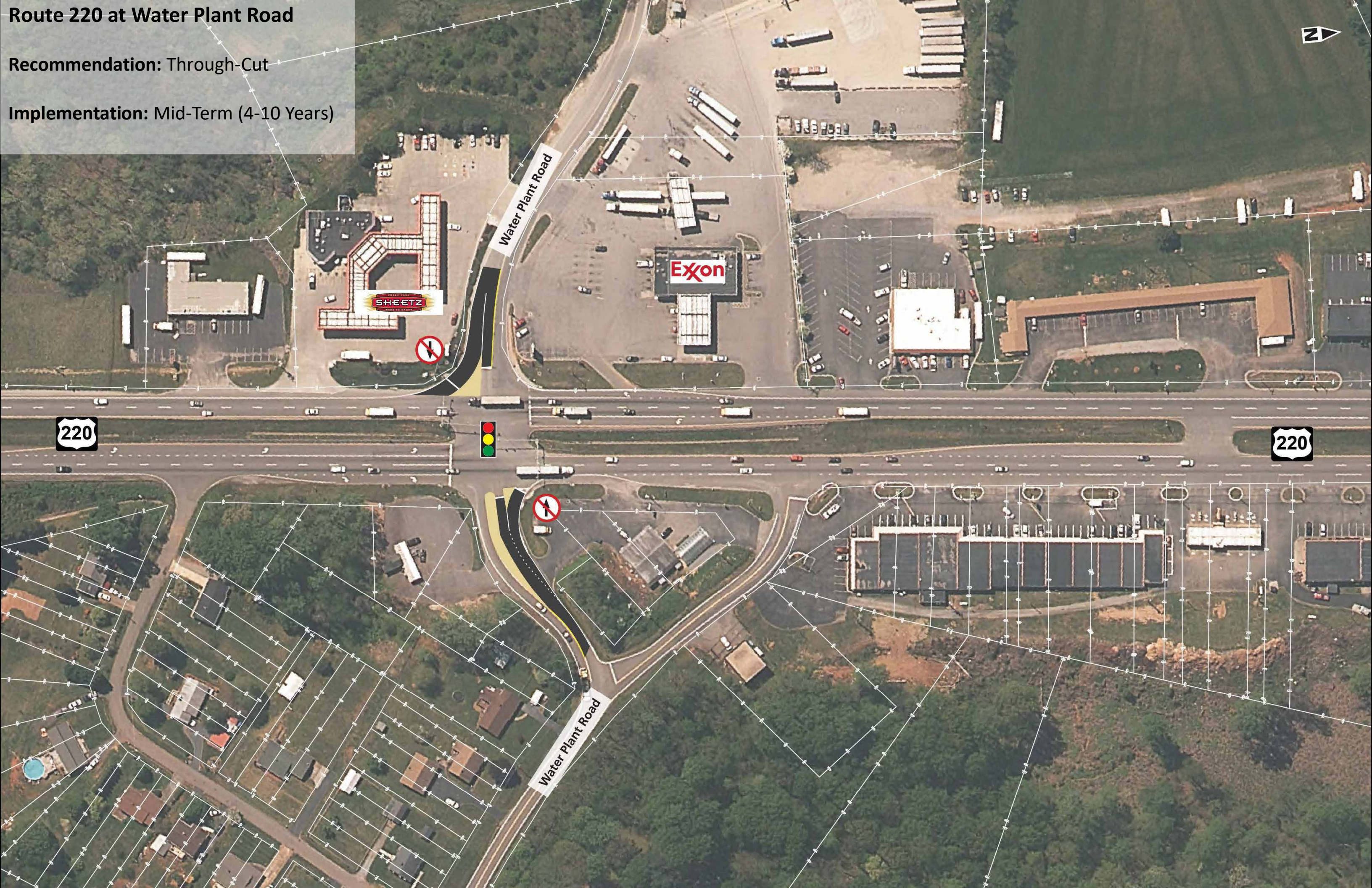
US 220 Arterial Preservation Plan Figure 6 Henry County



Route 220 at Water Plant Road

Recommendation: Through-Cut

Implementation: Mid-Term (4-10 Years)



220

220

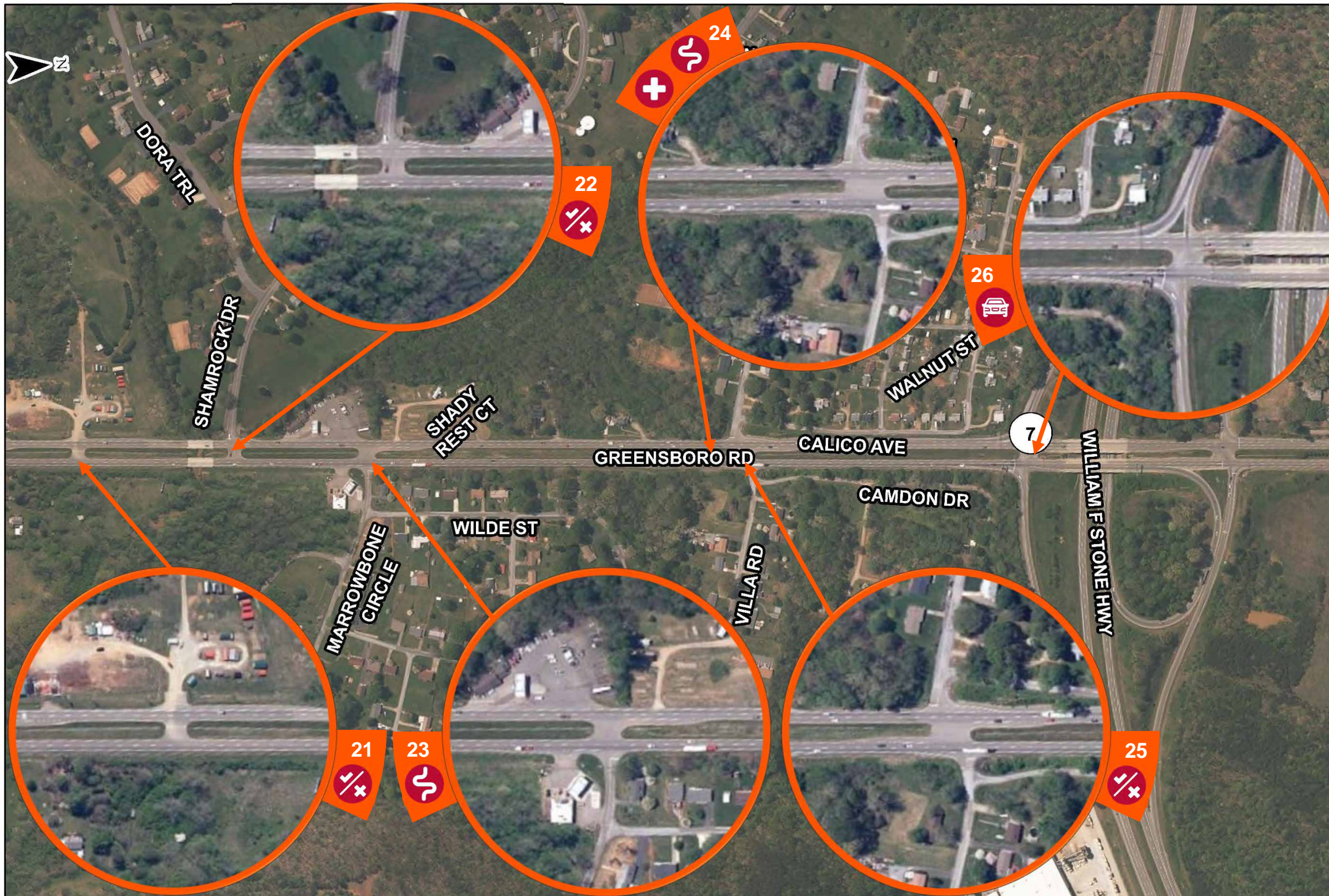
Water Plant Road

Water Plant Road

SHEETZ

Exxon





Roadway, Intersection, & Median Crossover Recommendations

- 21. Route 220 at Crossover south of Shamrock Drive**
 - Consolidate and improve access spacing of crossover
- 22. Route 220 at Shamrock Drive**
 - Consolidate and improve access spacing of crossover
- 23. Route 220 at Marrowbone Circle**
 - Improve turn lanes to standard
 - Construct northbound left/U-turn lane
- 24. Route 220 south of Villa Road**
 - Install "Flashing When Signal is Red" signs on northbound Route 220
- 25. Route 220 at Villa Road**
 - Consolidate and improve access spacing of crossover
- 26. Route 220 at William F Stone Highway (Route 58) Eastbound Ramps**
 - Install additional signage and signal heads for conspicuity

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs

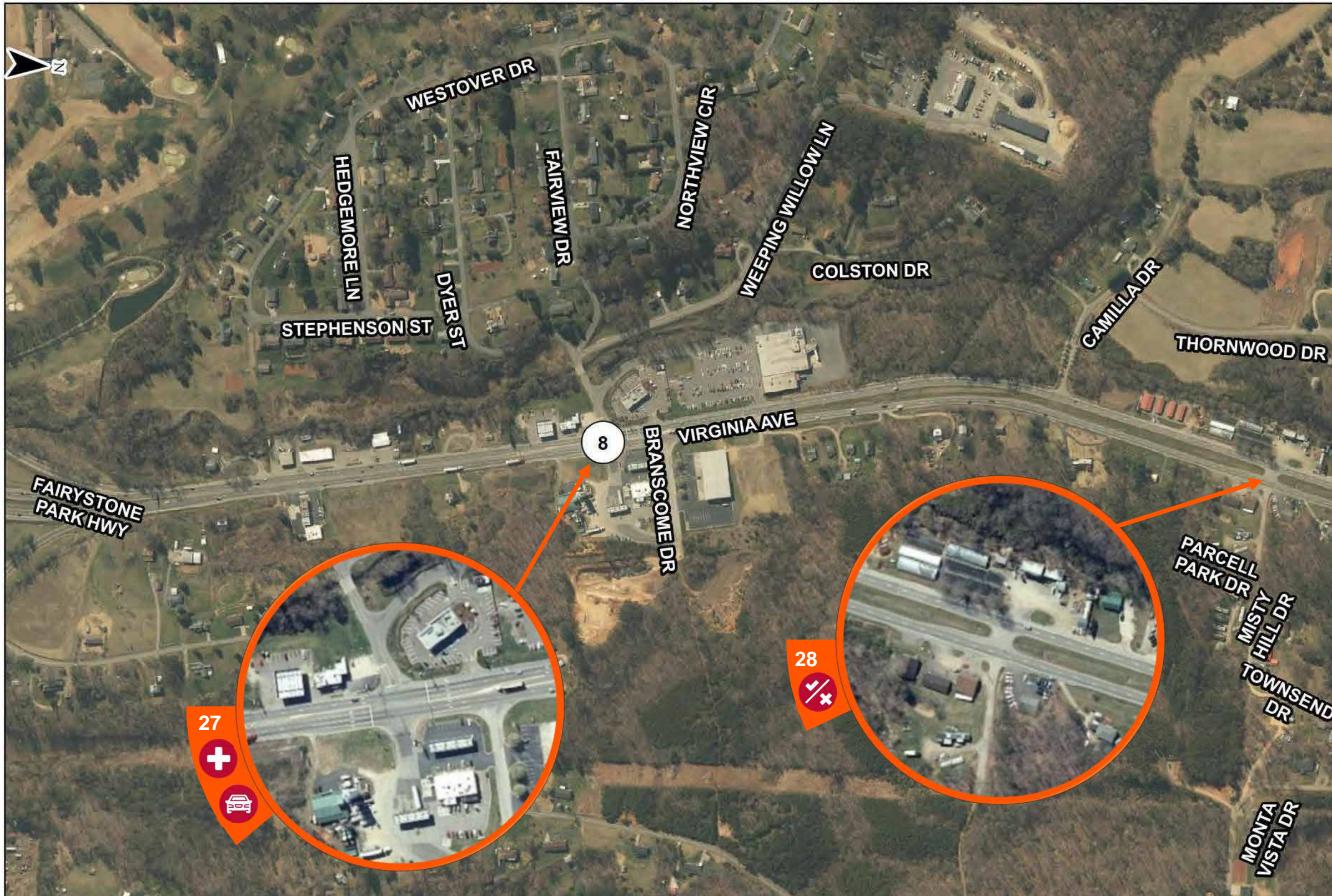


LEGEND

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| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

US 220 Arterial Preservation Plan Figure 7 Henry County





Roadway, Intersection, & Median Crossover Recommendations

27. Route 220 at Dyer Street

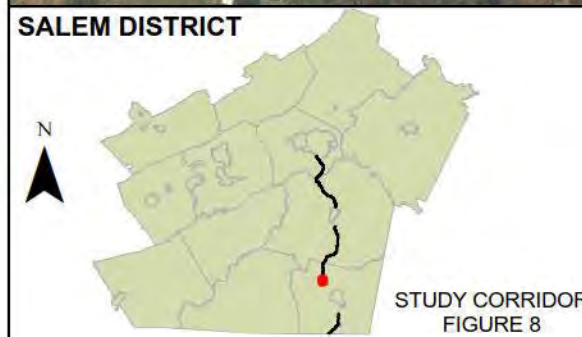
- Remove eastbound and westbound through movements and signal phases

28. Route 220 at Townsend Drive

- Consolidate and improve access spacing of crossover

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs



LEGEND

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| # | Intersection Number | | Existing Deficiency | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

US 220 Arterial Preservation Plan Figure 8 Henry County



Roadway, Intersection, & Median Crossover Recommendations

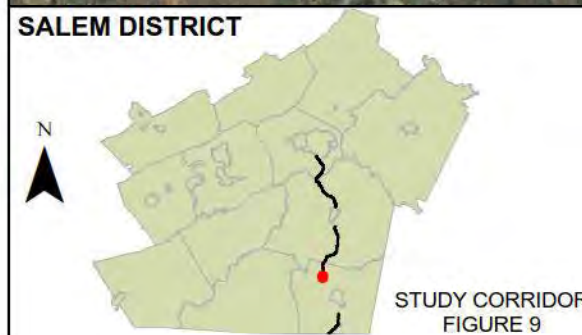
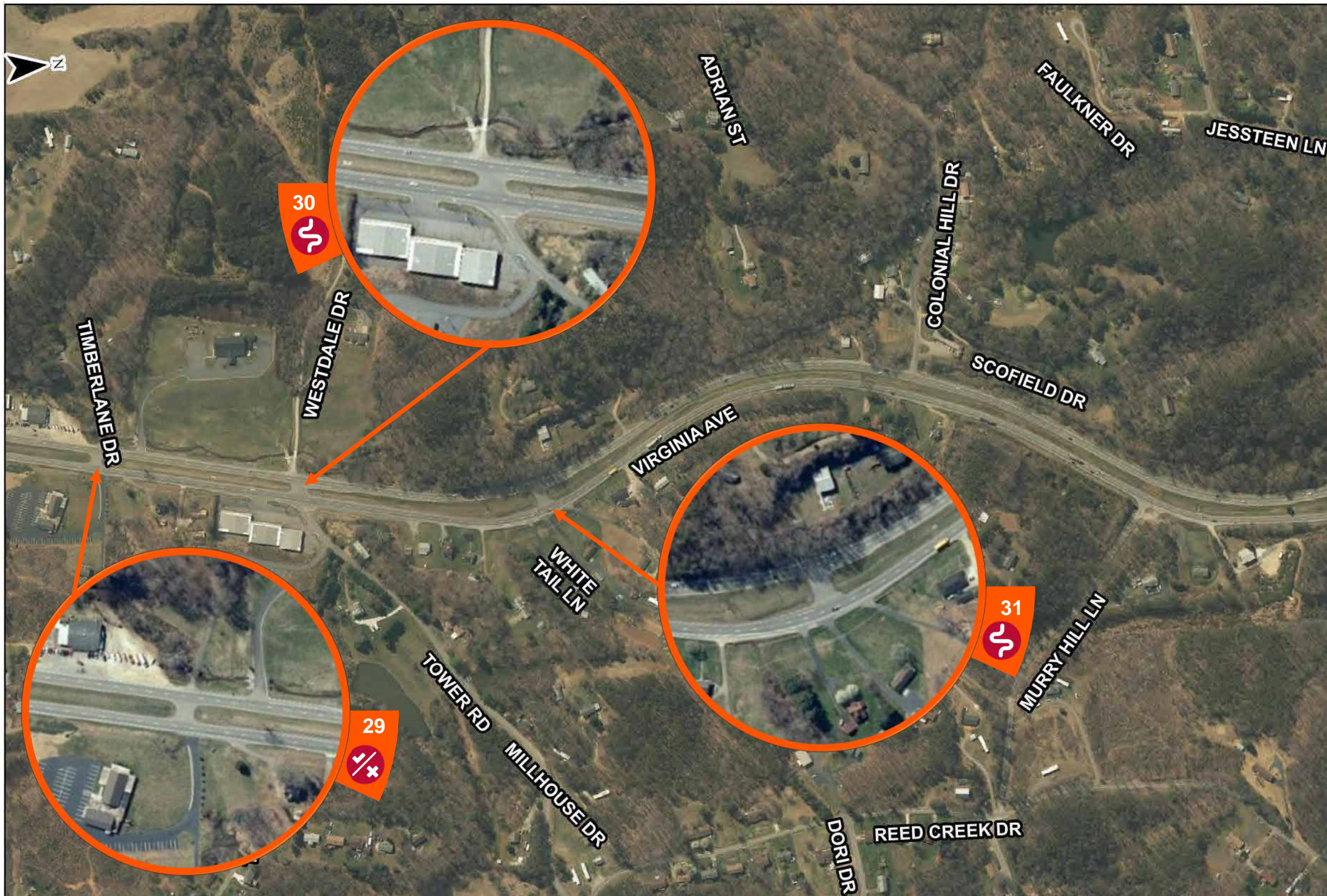
- 29. Route 220 at Timberlane Drive**
- Consolidate and improve access spacing of crossover

- 30. Route 220 at Westdale Drive/Tower Road**
- Improve turn lanes to standard






- 31. Route 220 at White Tail Lane**
- Improve turn lanes to standard

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs

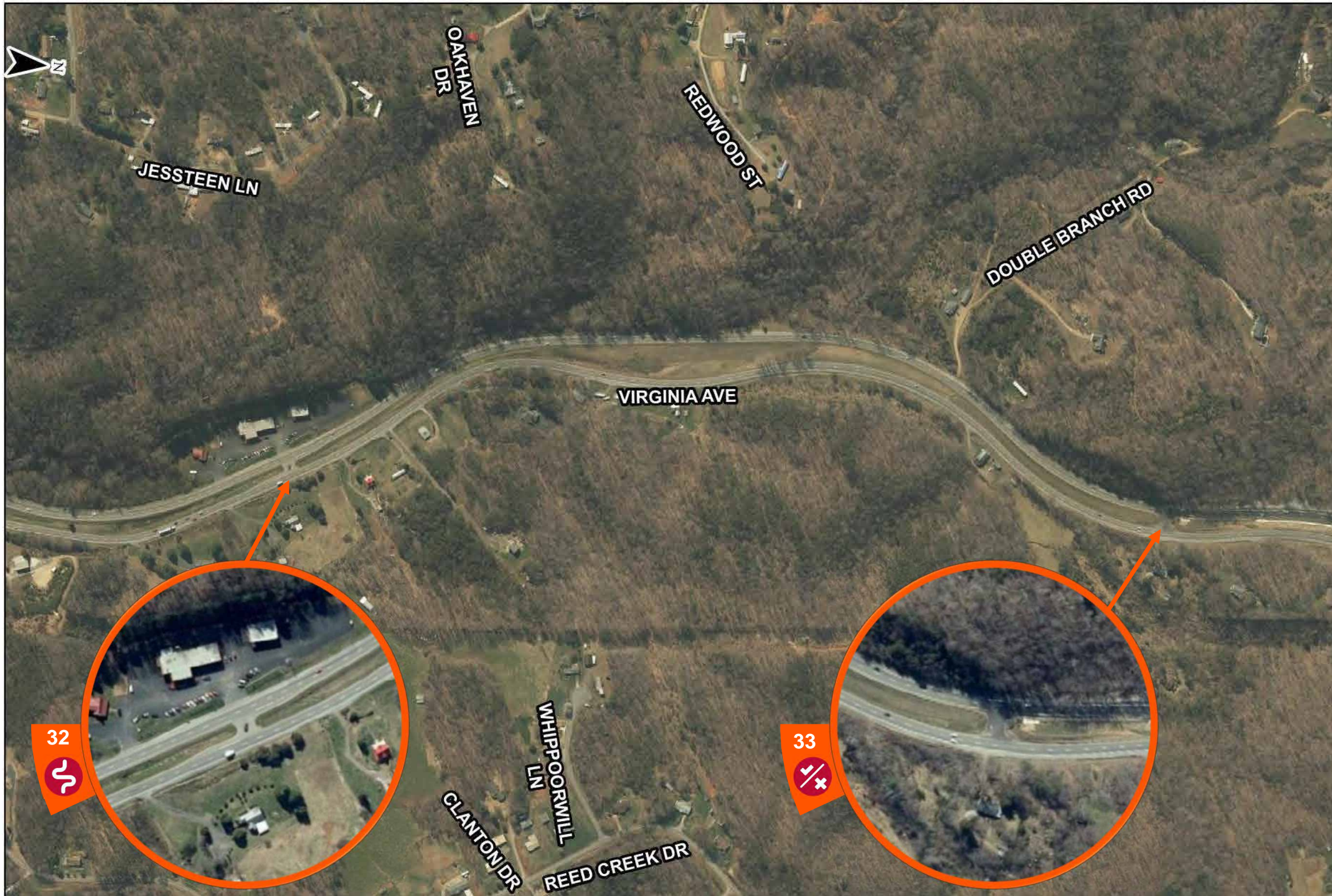


LEGEND

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| # | Intersection Number |  | Geometry |  | Future Development |  | Safety |
| # | Emerging Intersection |  | Access Management |  | Traffic Operations | | |

US 220 Arterial Preservation Plan Figure 9 Henry County





Roadway, Intersection, & Median Crossover Recommendations

32. Route 220 at Crossover south of Double Branch Road

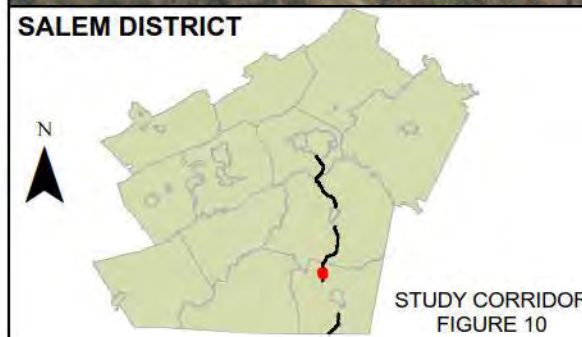
- Improve turn lanes to standard

33. Route 220 at Crossover north of Double Branch Road







- Consolidate and improve access spacing of crossover

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs

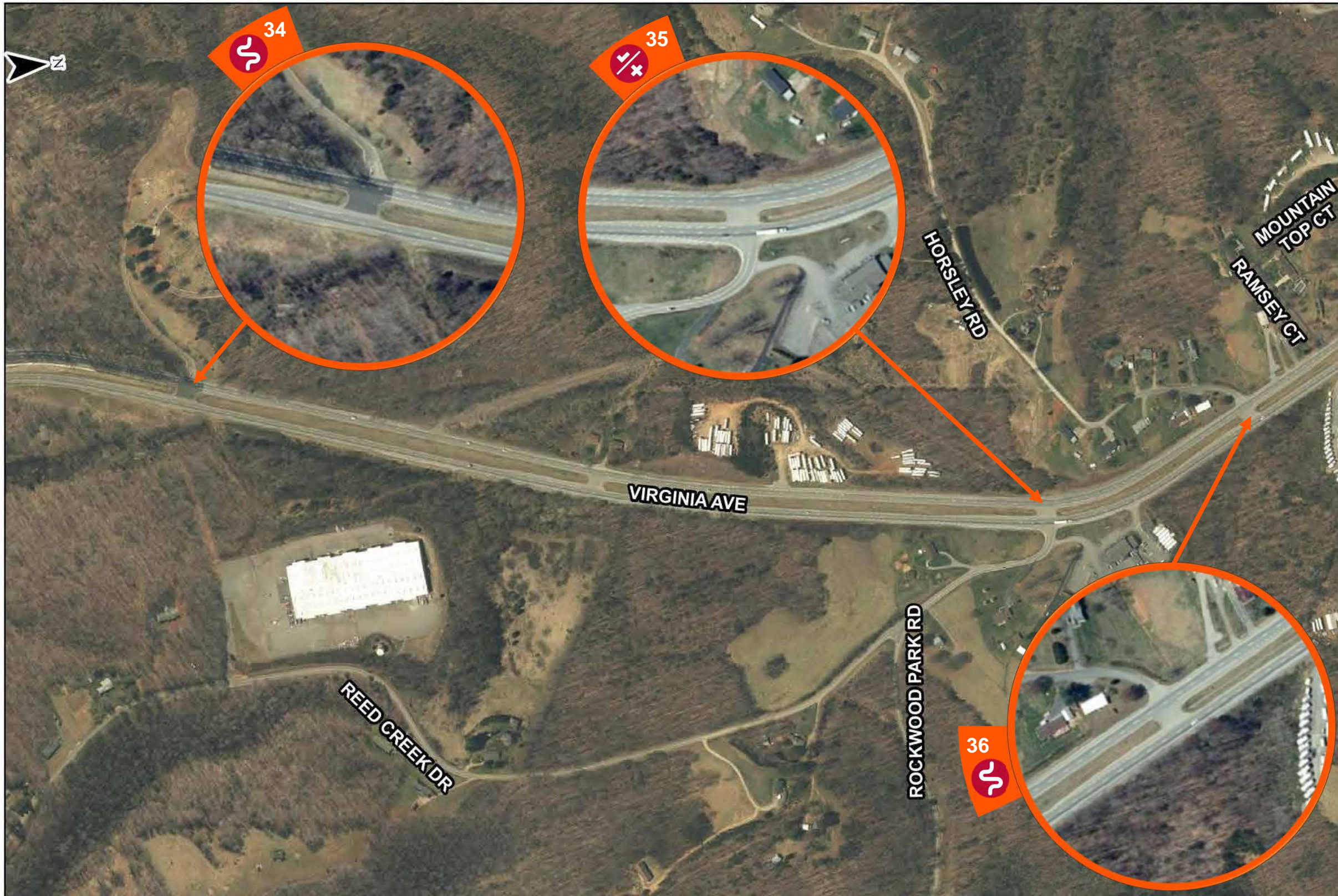


LEGEND

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| # | Intersection Number |  | Existing Deficiency |  | Future Development |  | Safety |
|  | Emerging Intersection |  | Access Management |  | Traffic Operations | | |

US 220 Arterial Preservation Plan Figure 10 Henry County

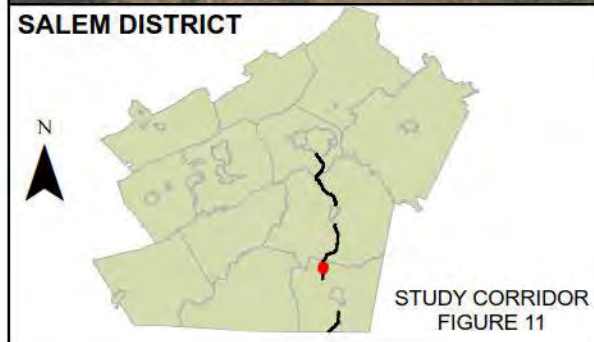




Roadway, Intersection, & Median Crossover Recommendations

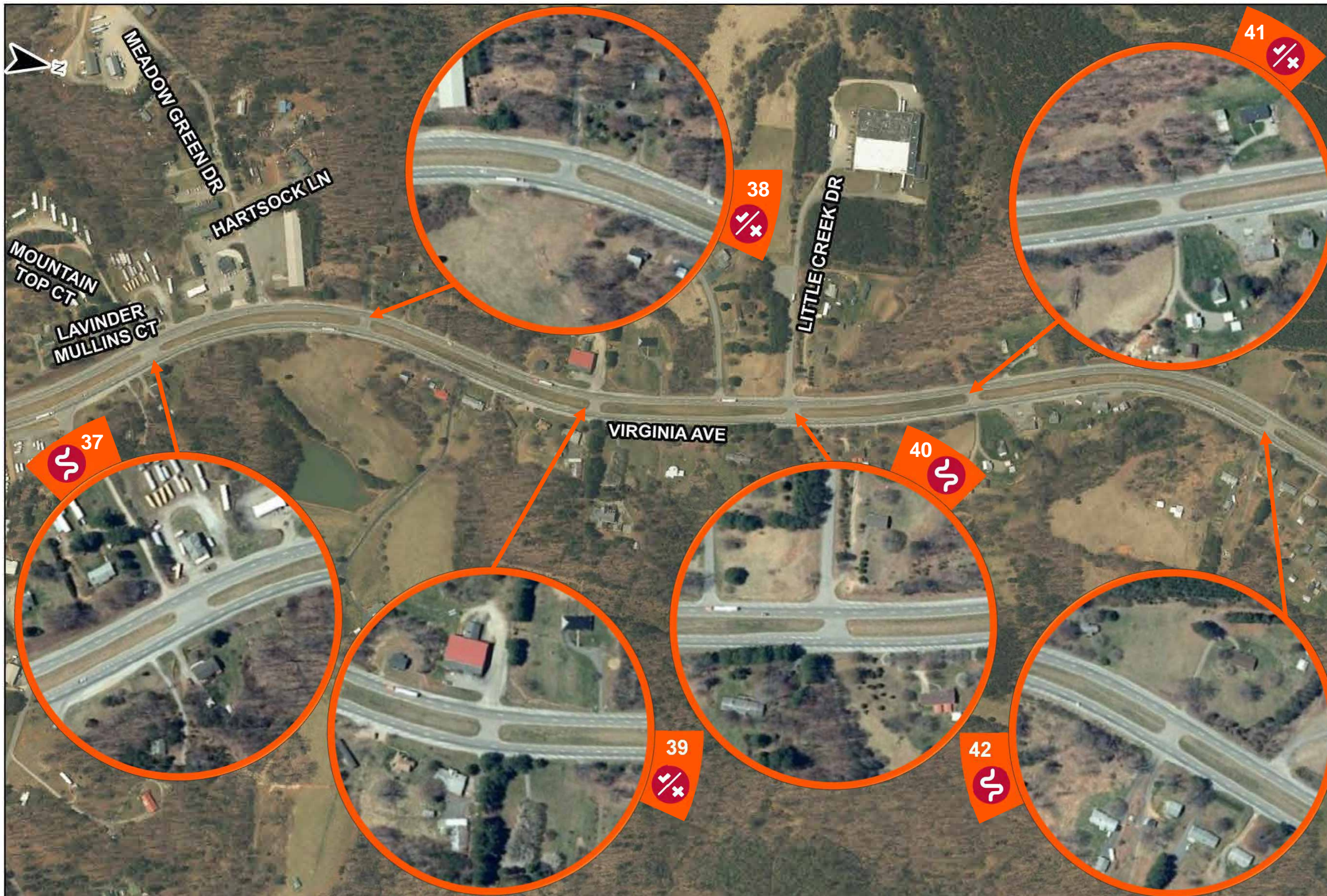
- 34. Route 220 at Crossover south of Reed Creek Drive**
 - Improve turn lanes to standard
- 35. Route 220 at Rockwood Park Road**
 - Consolidate and improve access spacing of driveway
- 35. Route 220 at Horsley Road**
 - Improve turn lanes to standard

- Roadway**
- Flatten curvature along Route 220
 - Install rumble strips
 - Install guardrail
 - Construct paved shoulders
 - Improve sign consistency
 - Increase sign conspicuity
 - Install advanced curve warning signs



| LEGEND | | Existing Deficiency | | |
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| # | Intersection Number | | | |
| # | Emerging Intersection | | | |

US 220 Arterial Preservation Plan
Figure 11
Henry County



Roadway, Intersection, & Median Crossover Recommendations

- 37. Route 220 at Crossover near Mountain Top Court**
 - Improve turn lanes to standard
- 38. Route 220 at Crossover north of Mountain Top Court**
 - Consolidate and improve access spacing of crossover
- 39. Route 220 at Crossover south of Little Creek Drive**
 - Consolidate and improve access spacing of crossover
- 40. Route 220 at Little Creek Drive**
 - Improve turn lanes to standard
 - Construct southbound U-turn lane
- 41. Route 220 at Crossover north of Little Creek Drive**
 - Consolidate and improve access spacing of crossover

- 42. Route 220 at Crossover north of Crossover location 41**
 - Construct northbound and southbound left/U-turn lanes

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs

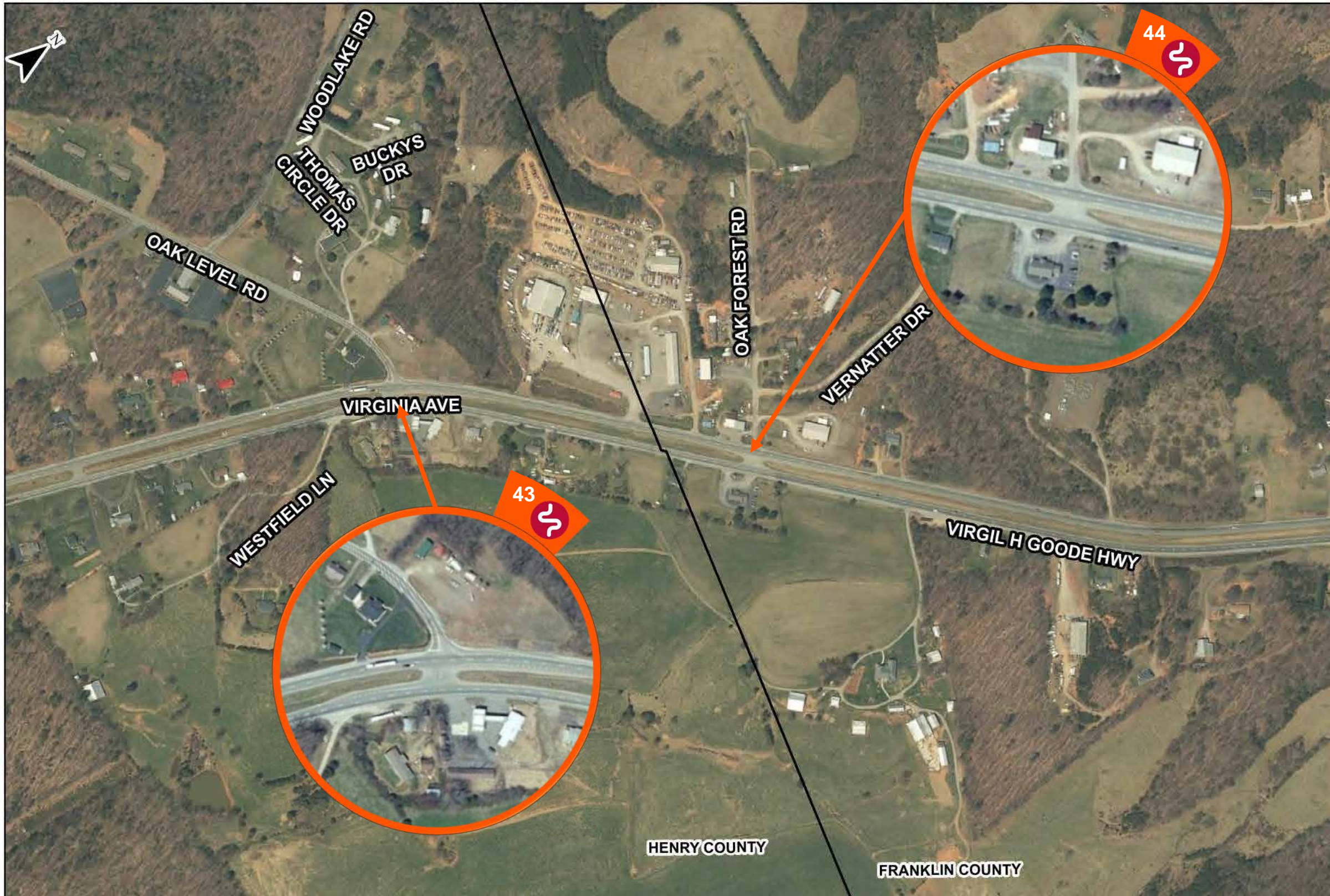


LEGEND

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| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

US 220 Arterial Preservation Plan Figure 12 Henry County



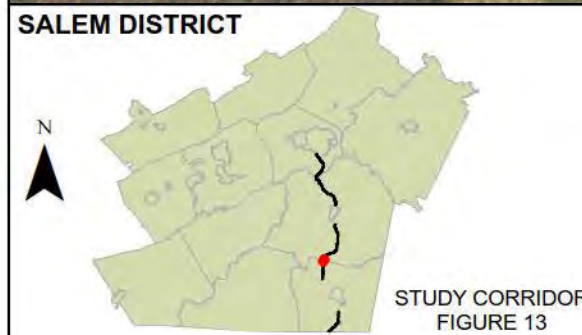


Roadway, Intersection, & Median Crossover Recommendations

- 43. Route 220 at Oak Level Road
 - Improve turn lanes to standard
- 44. Route 220 at Oak Forest Road
 - Improve turn lanes to standard

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs

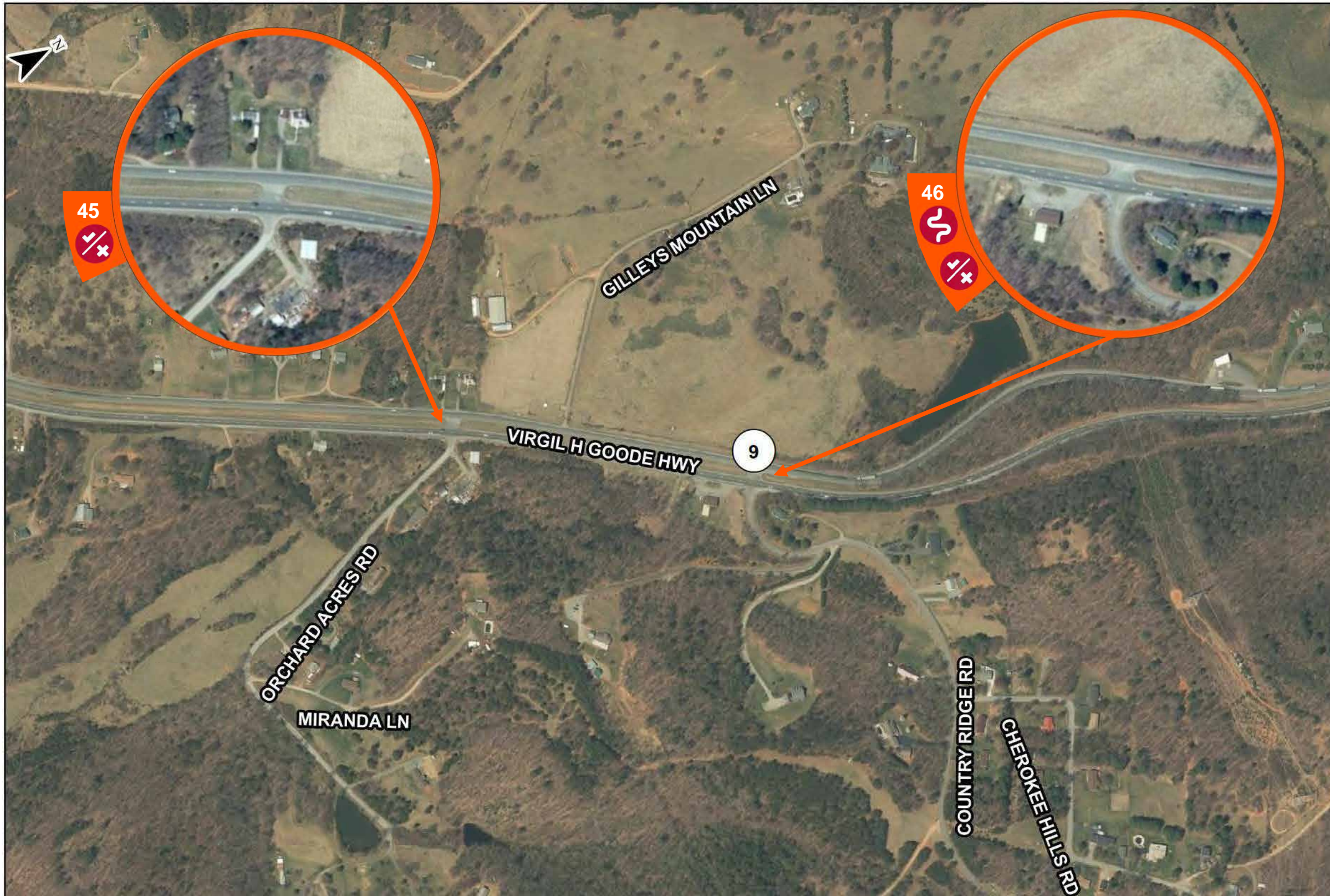


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| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

US 220 Arterial Preservation Plan Figure 13 Henry County



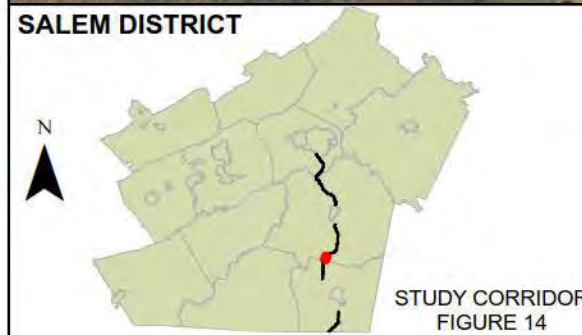


Roadway, Intersection, & Median Crossover Recommendations

- 45. Route 220 at Orchard Acres Road**
 - Consolidate and improve access spacing of crossover
- 46. Route 220 at Country Ridge Road**
 - Construct right in/right out with southbound left turn into Country Ridge Road

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs

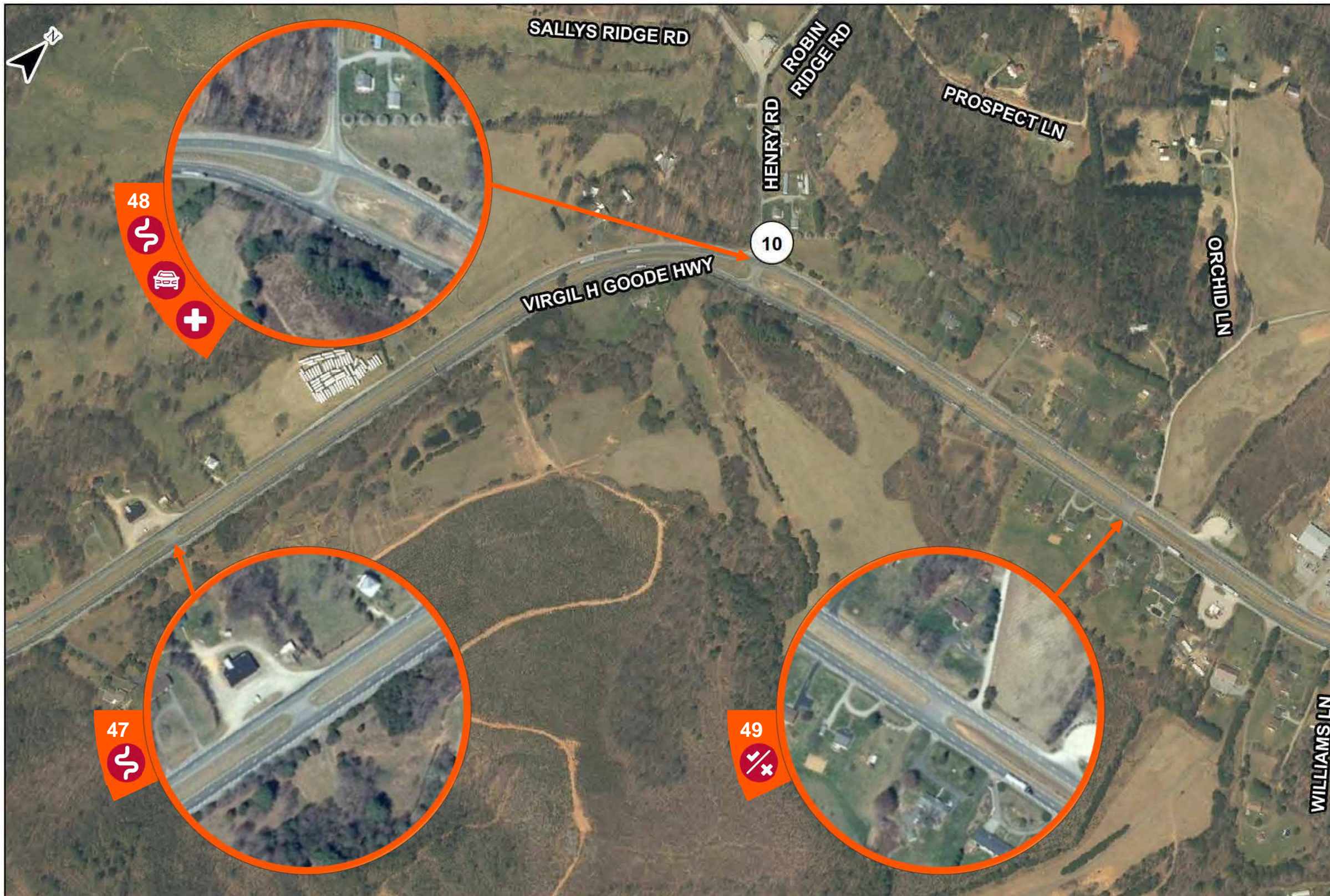


LEGEND

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|---|-----------------------|--|-------------------|--|--------------------|--|--------|
| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

US 220 Arterial Preservation Plan Figure 14 Franklin County





Roadway, Intersection, & Median Crossover Recommendations

47. Route 220 at Crossover south of Henry Road

- Construct northbound left/U-turn lane

48. Route 220 at Henry Road

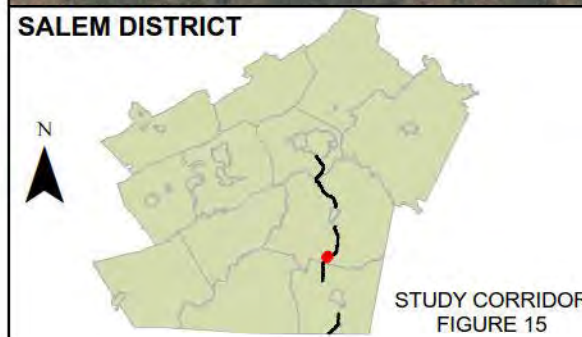
- Construct unsignalized Seagull with northbound acceleration lane
- Realign and widen northbound left turn lane

49. Route 220 at Crossover near Orchid Lane

- Consolidate and improve access spacing of crossover

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs



LEGEND

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|---|-----------------------|--|-------------------|--|--------------------|--|--------|
| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

**US 220 Arterial Preservation Plan
Figure 15
Franklin County**





Henry Road

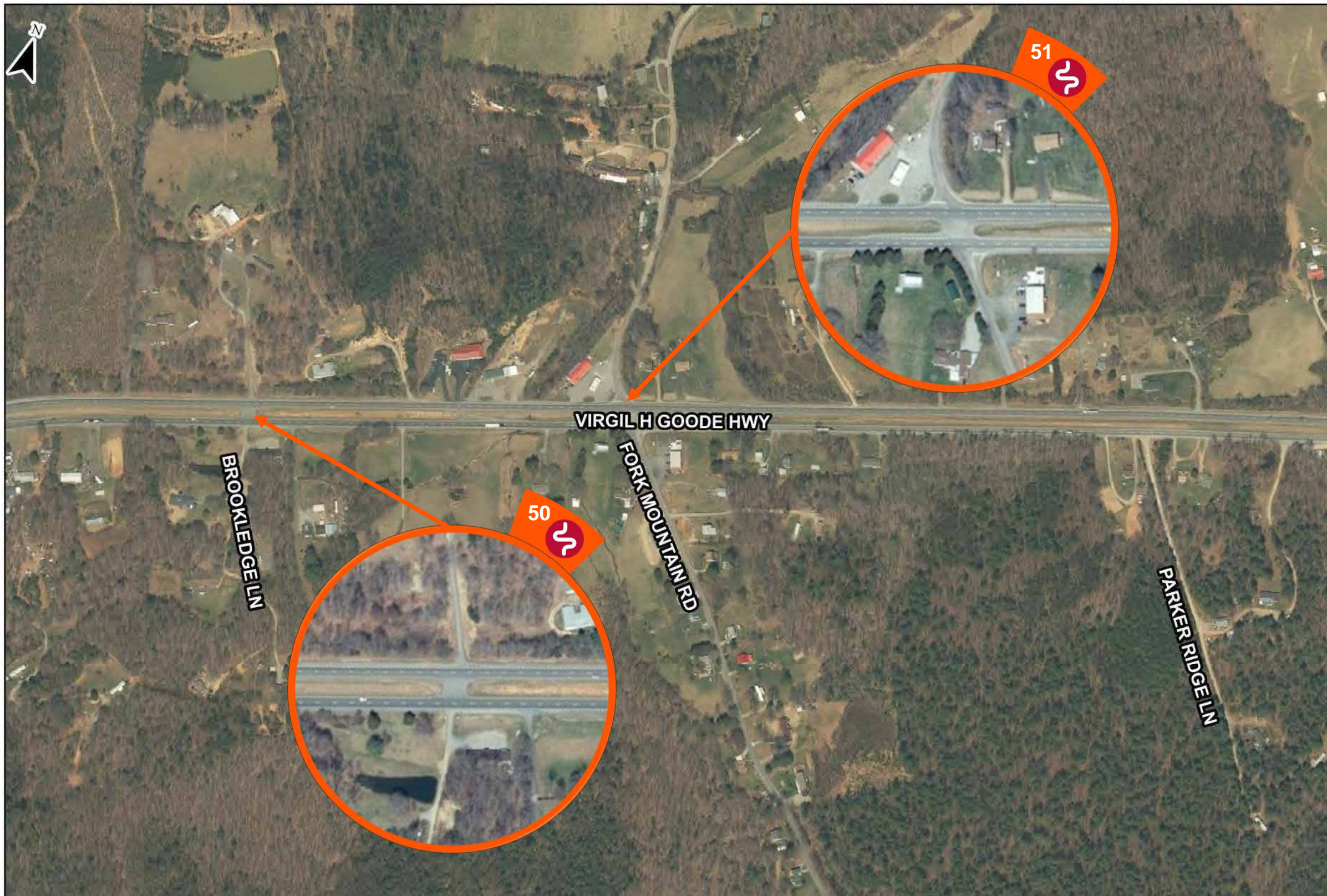
220

220

Route 220 at Henry Road

Recommendation: Unsignalized Continuous Green-T

Implementation: Mid-Term (4-10 Years)



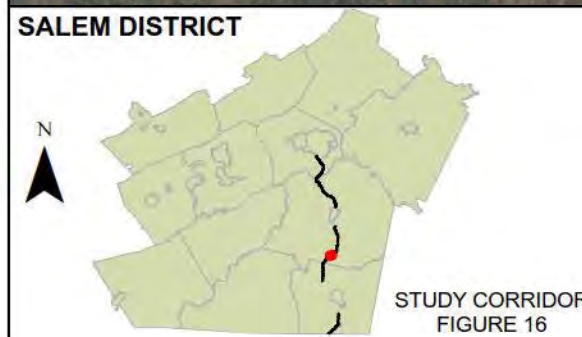
Roadway, Intersection, & Median Crossover Recommendations

- 50. Route 220 at Brookledge Lane**
- Construct northbound and southbound left/U-turn lanes

- 51. Route 220 at Fork Mountain Road**
- Improve turn lanes to standard

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs

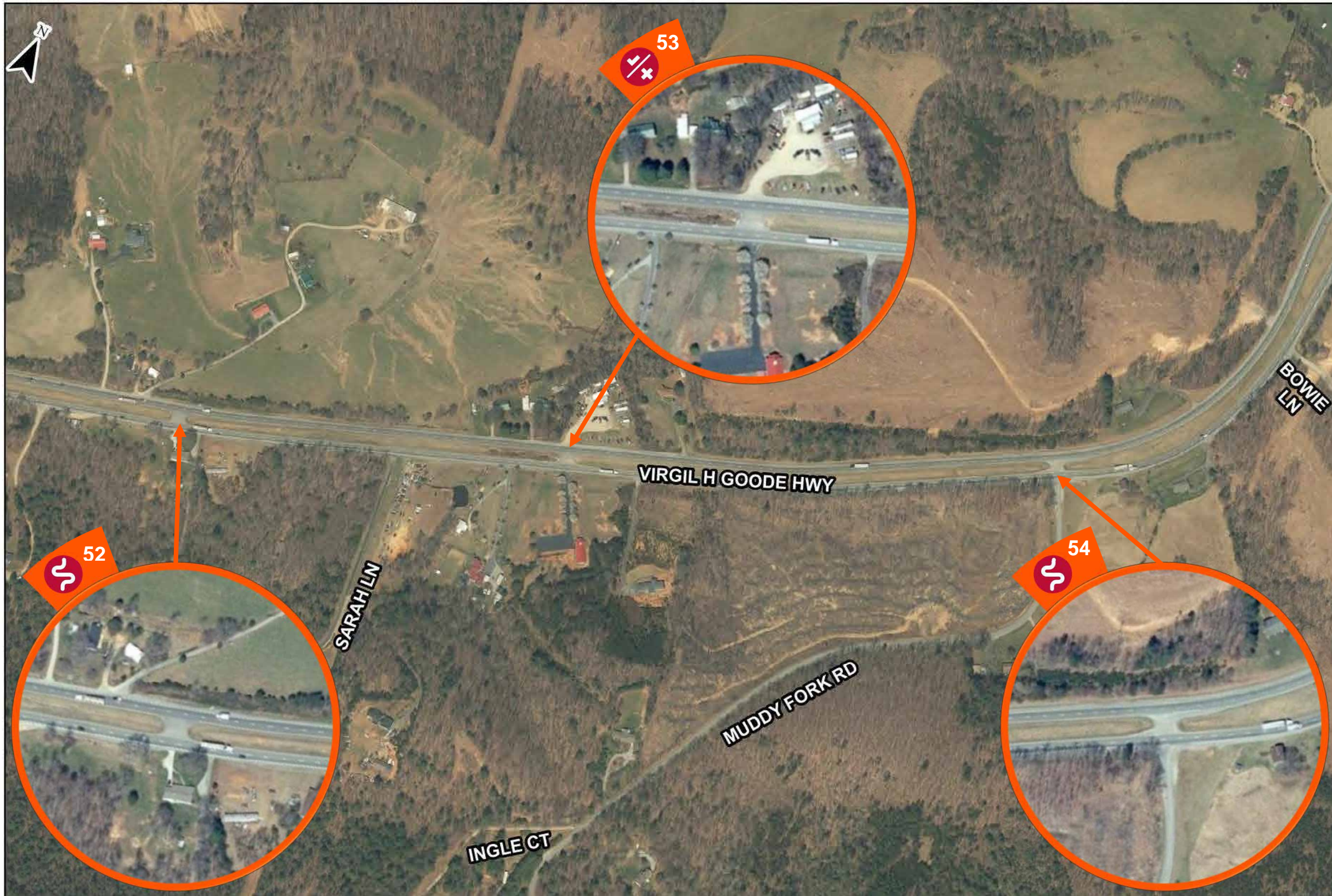


LEGEND

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| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

US 220 Arterial Preservation Plan Figure 16 Franklin County





Roadway, Intersection, & Median Crossover Recommendations

52. Route 220 at Crossover south of Sarah Lane

- Improve turn lanes to standard

53. Route 220 at Crossover north of Sarah Lane

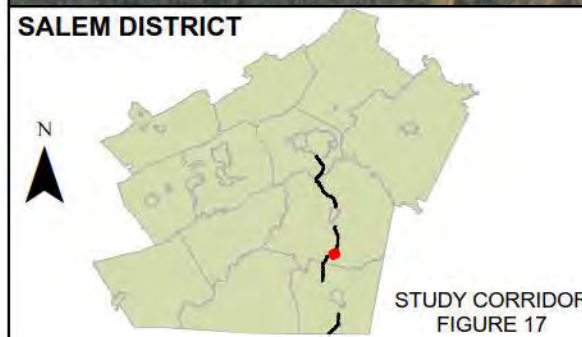
- Consolidate and improve access spacing of crossover

54. Route 220 at Muddy Fork Road

- Improve turn lanes to standard

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs



LEGEND

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|---|-----------------------|--|-------------------|--|--------------------|--|--------|
| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

**US 220 Arterial Preservation Plan
Figure 17
Franklin County**





Roadway, Intersection, & Median Crossover Recommendations

55. Route 220 Crossover north of Bowie Lane

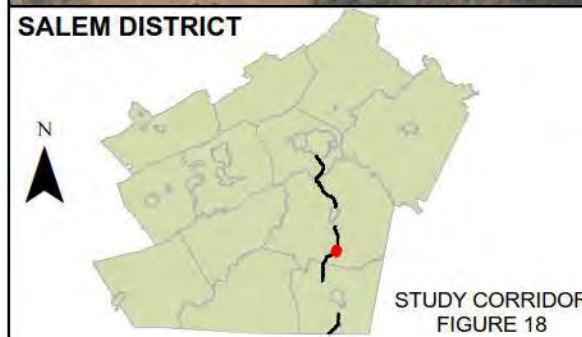
- Consolidate and improve access spacing of crossover

56. Route 220 at Crossover north of Intersection 55

- Construct northbound U-turn lane and southbound left/U-turn lane

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs

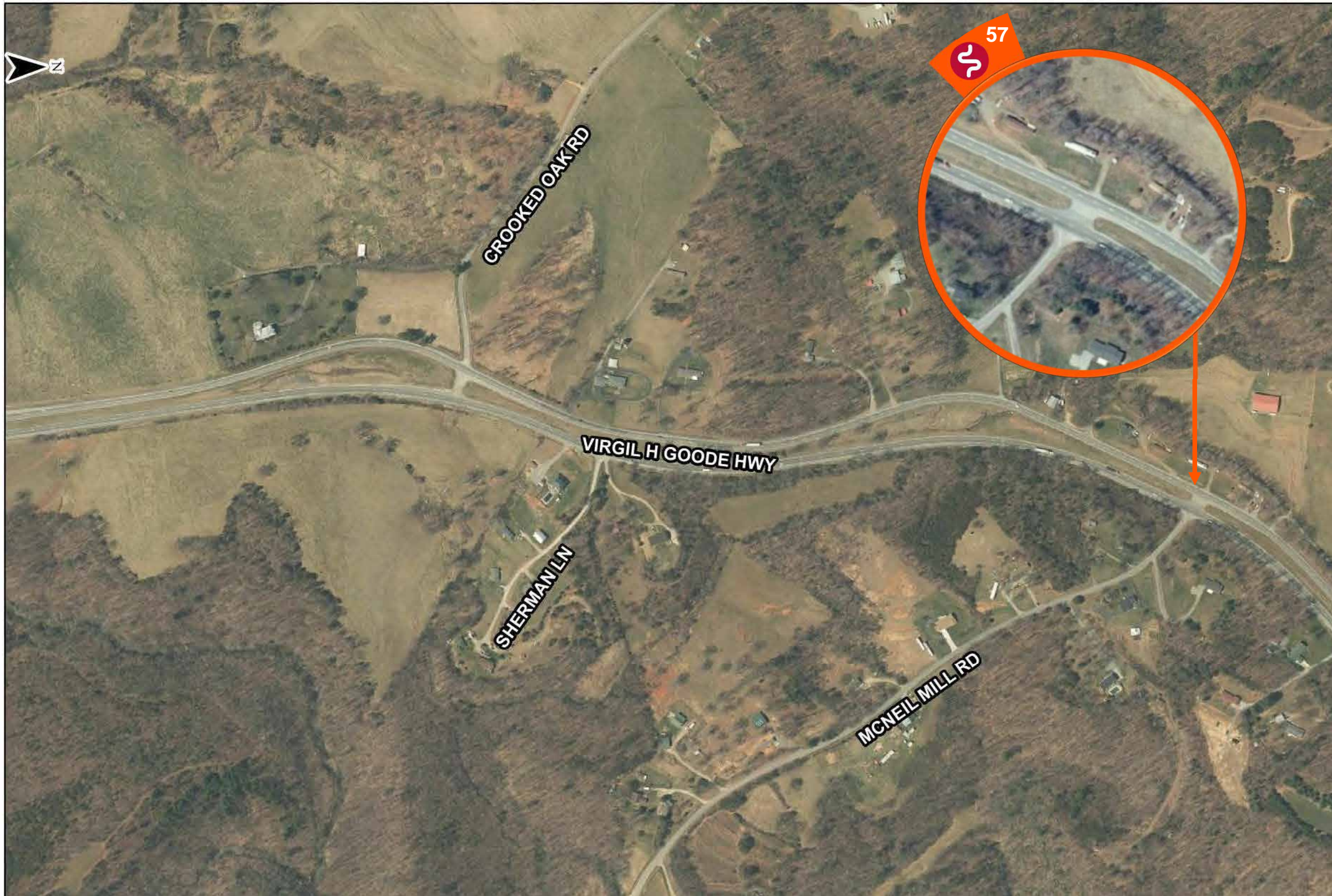


LEGEND

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|---|-----------------------|--|-------------------|--|--------------------|--|--------|
| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

US 220 Arterial Preservation Plan Figure 18 Franklin County

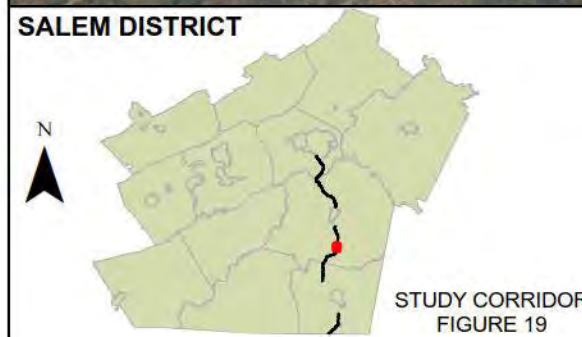




Roadway, Intersection, & Median Crossover Recommendations

- 57. Route 220 at McNeil Mill Road**
- Construct right in/right out with southbound left turn into McNeil Mill Road

- Roadway**
- Flatten curvature along Route 220
 - Install rumble strips
 - Install guardrail
 - Construct paved shoulders
 - Improve sign consistency
 - Increase sign conspicuity
 - Install advanced curve warning signs

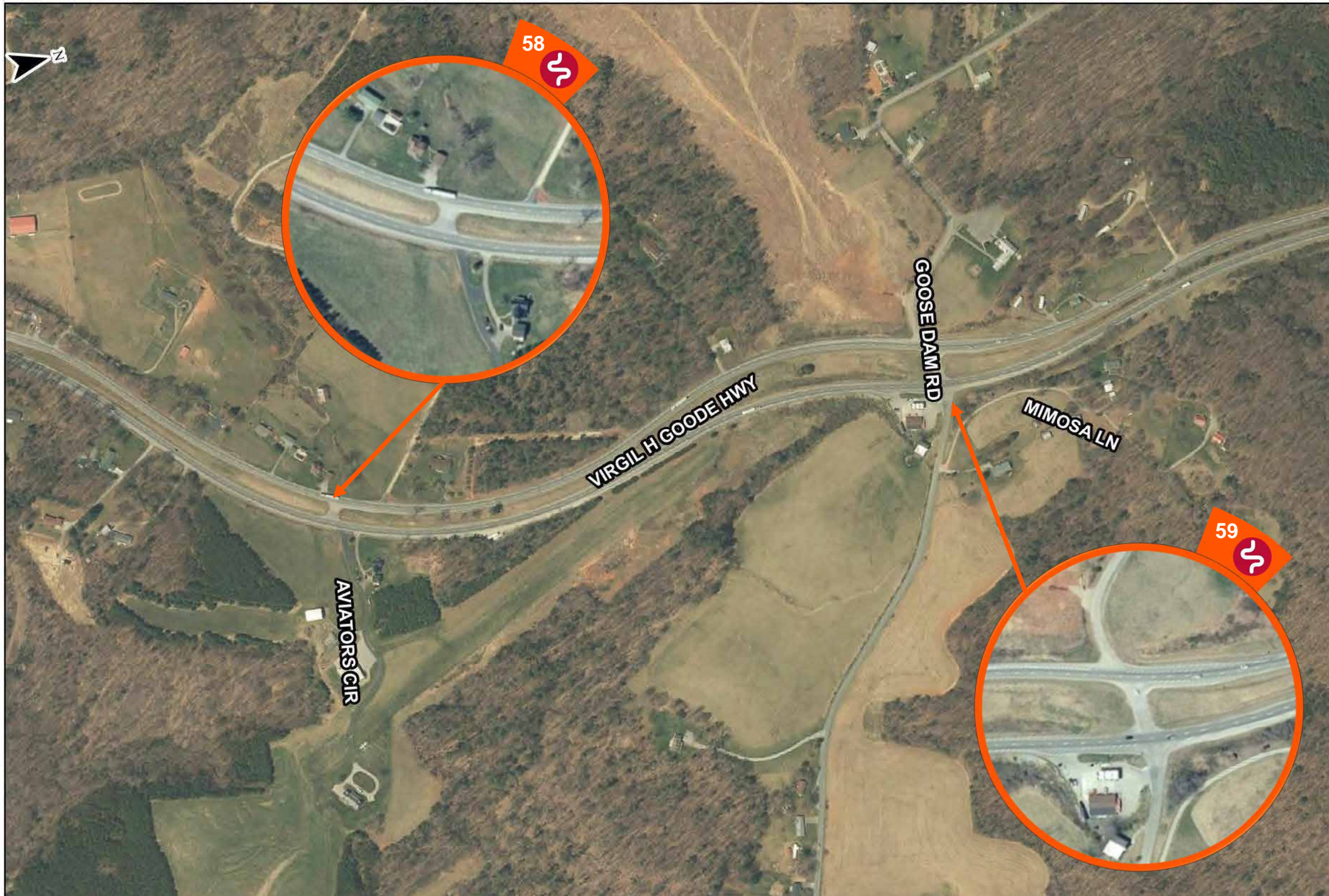


LEGEND

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|---|-----------------------|--|-------------------|--|--------------------|--|--------|
| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

US 220 Arterial Preservation Plan Figure 19 Franklin County





Roadway, Intersection, & Median Crossover Recommendations

58. Route 220 at Crossover near Aviators Circle

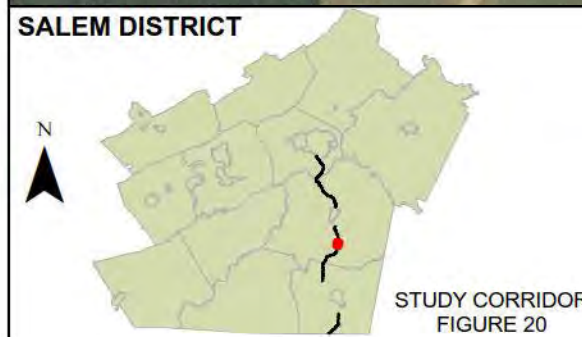
- Improve turn lane to standard
- Construct northbound U-turn lane

59. Route 220 at Goose Dam Road






- Improve turn lanes to standard

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs

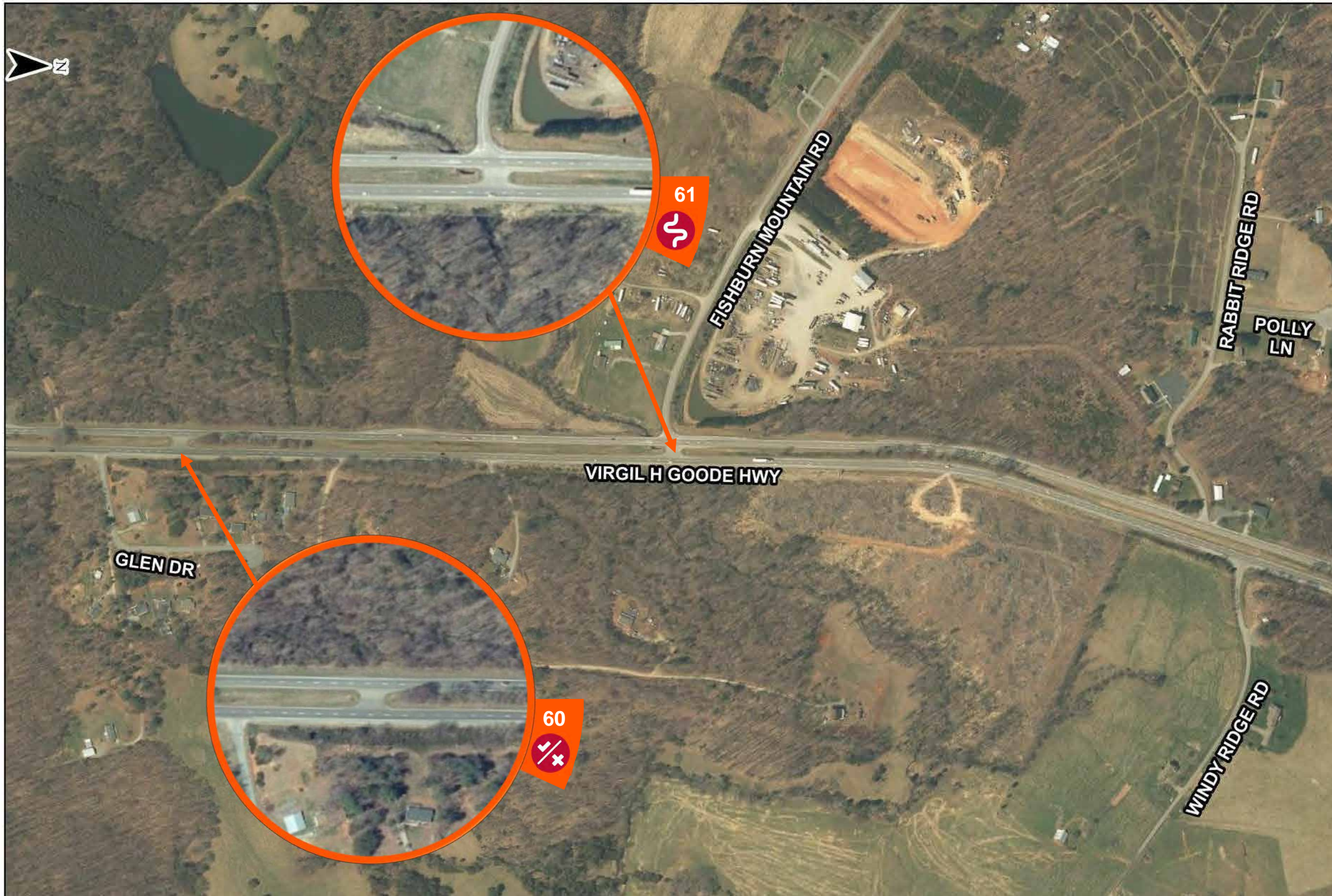


LEGEND

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|---|-----------------------|---|-------------------|---|--------------------|---|--------|
| # | Intersection Number |  | Geometry |  | Future Development |  | Safety |
| # | Emerging Intersection |  | Access Management |  | Traffic Operations | | |

US 220 Arterial Preservation Plan Figure 20 Franklin County



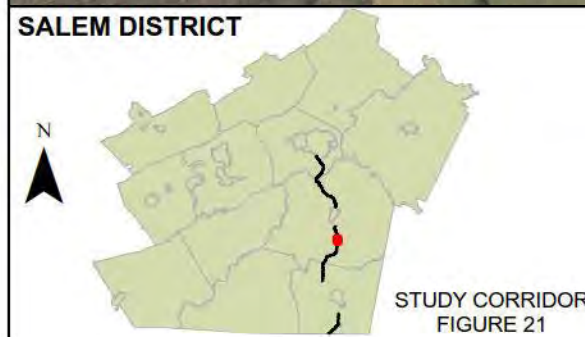


Roadway, Intersection, & Median Crossover Recommendations

- 60. Route 220 at Crossover east of Glen Drive**
- Consolidate and improve access spacing of crossover

- 61 . Route 220 at Fishburn Mountain Road**
- Improve turn lane to standard
 - Construct northbound left/U-turn lane

- Roadway**
- Flatten curvature along Route 220
 - Install rumble strips
 - Install guardrail
 - Construct paved shoulders
 - Improve sign consistency
 - Increase sign conspicuity
 - Install advanced curve warning signs



| LEGEND | | Existing Deficiency | | |
|--------|-----------------------|---------------------|--------------------|--------|
| # | Intersection Number | Geometry | Future Development | Safety |
| # | Emerging Intersection | Access Management | Traffic Operations | |

US 220 Arterial Preservation Plan
Figure 21
Franklin County



Roadway, Intersection, & Median Crossover Recommendations

62. Route 220 at Crossover north of Windy Ridge Road

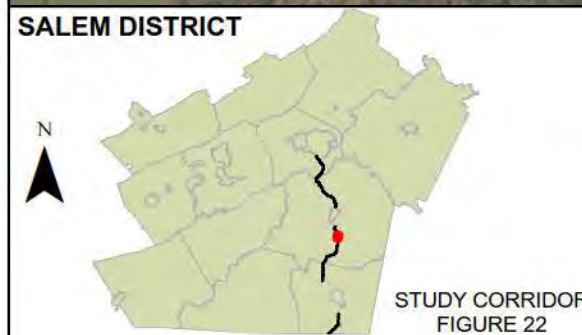
- Consolidate and improve access spacing of crossover

63. Route 220 at Crossover north of Crossover location 62

- Consolidate and improve access spacing of crossover

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs



LEGEND

Intersection Number

Emerging Intersection

Existing Deficiency

Geometry

Access Management

Future Development

Traffic Operations

Safety

US 220 Arterial Preservation Plan Figure 22 Franklin County

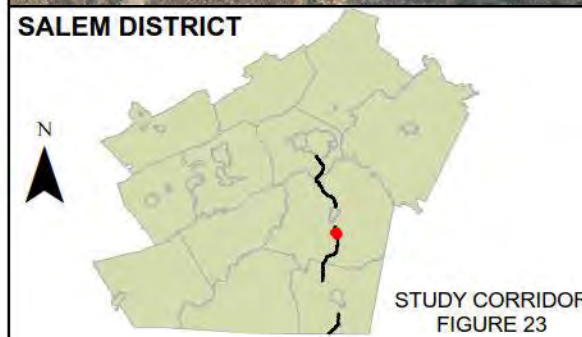




Roadway, Intersection, & Median Crossover Recommendations

- 64. Route 220 at Commerce Road**
- Lengthen northbound acceleration lane to standard

- Roadway**
- Flatten curvature along Route 220
 - Install rumble strips
 - Install guardrail
 - Construct paved shoulders
 - Improve sign consistency
 - Increase sign conspicuity
 - Install advanced curve warning signs




LEGEND


Intersection Number


Emerging Intersection

Existing Deficiency

 Geometry

 Access Management

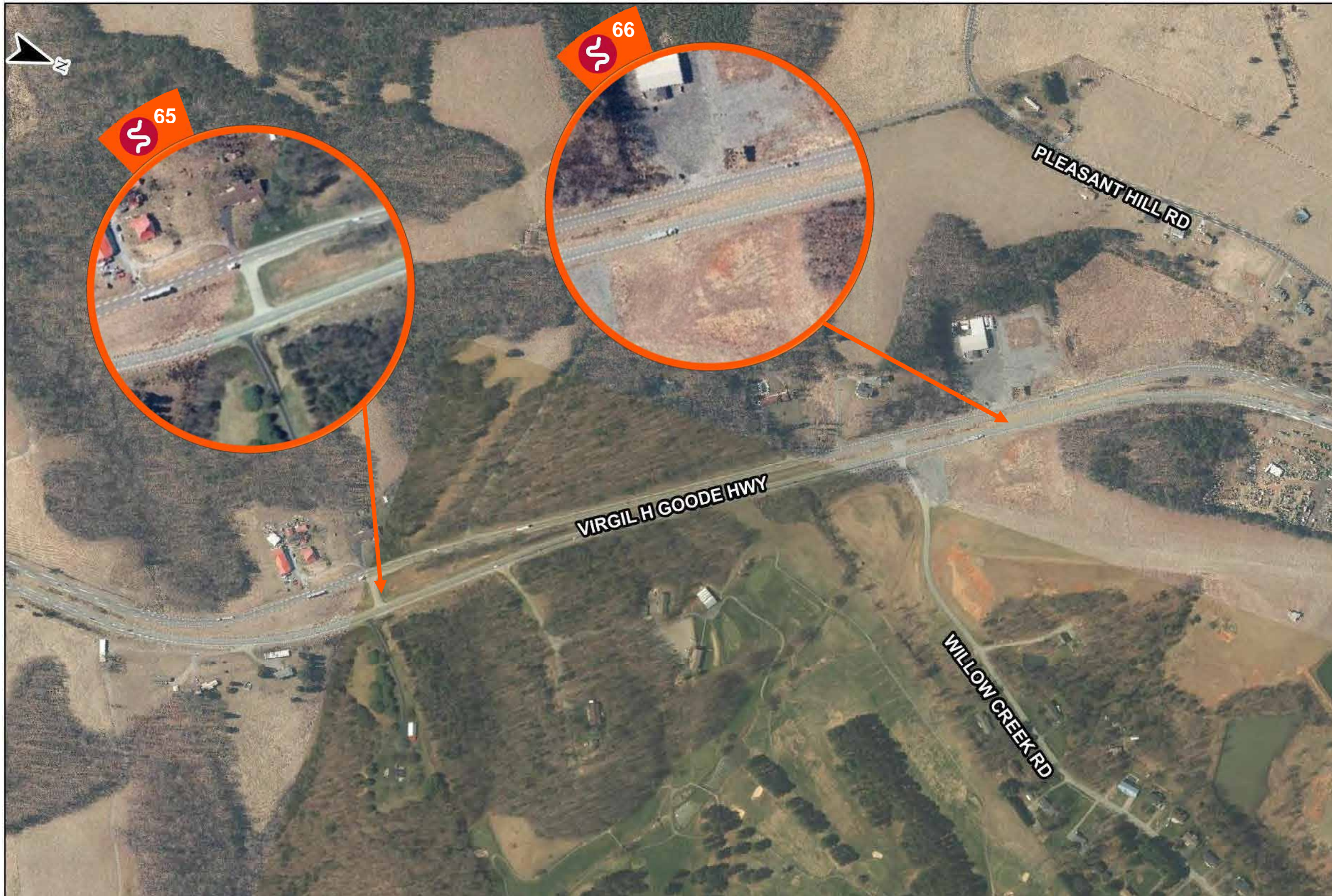
 Future Development

 Traffic Operations

 Safety

US 220 Arterial Preservation Plan Figure 23 Franklin County





Roadway, Intersection, & Median Crossover Recommendations

65. Route 220 at Crossover south of Willow Creek Road

- Improve turn lane to standard
- Construct northbound left/U-turn lane

66. Route 220 Proposed Crossover north of Willow Creek Road

- Construct southbound left/U-turn lane with a northbound loon

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs



LEGEND

| | | | | |
|---|-----------------------|-------------------------------|--------------------|--------|
| # | Intersection Number | Existing Deficiency: Geometry | Future Development | Safety |
| # | Emerging Intersection | Access Management | Traffic Operations | |

US 220 Arterial Preservation Plan Figure 24 Franklin County





Roadway, Intersection, & Median Crossover Recommendations

67. Route 220 at Pleasant Hill Road

- Construct unsignalized Restricted Crossing U-Turn

68. Route 220 at Sontag Road/Cassell Drive

- Remove eastbound and westbound through movements and signal phases
- Construct westbound right turn lane

69. Route 220 at Crossover north of Sontag Road/Cassell Drive

- Construct northbound left/U-turn lane
- Construct right in/right out with northbound left turn into driveway

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs



LEGEND

Intersection Number

Emerging Intersection

Existing Deficiency

Geometry

Access Management

Future Development

Traffic Operations

Safety

US 220 Arterial Preservation Plan Figure 25 Franklin County





Route 220 at Pleasant Hill

Recommendation: Restricted Crossing U-Turn

Implementation: Short-Term (1-3 Years)

Cost: Funded

Route 220 at Cassell Road/Sontag Road

Recommendation: Through-Cut

Implementation: Short-Term (1-3 Years)



Roadway, Intersection, & Median Crossover Recommendations

- 70. Route 220 at Cornell Road/Frontage Road**
- Consolidate and improve access spacing of crossover

- Segment 2: Route 220 from Glen Meadow Drive to north of Wooddale Drive**
- Consolidate and improve access spacing of crossovers and driveways

- 71. Route 220 at Wooddale Drive**
- Improve turn lanes to standard
 - Construct northbound left/U-turn lane
 - Remove existing "No U-Turn" signs

- 72. Route 220 at Mitchell Lane**
- Consolidate and improve access spacing of crossover

- Roadway**
- Flatten curvature along Route 220
 - Install rumble strips
 - Install guardrail
 - Construct paved shoulders
 - Improve sign consistency
 - Increase sign conspicuity
 - Install advanced curve warning signs

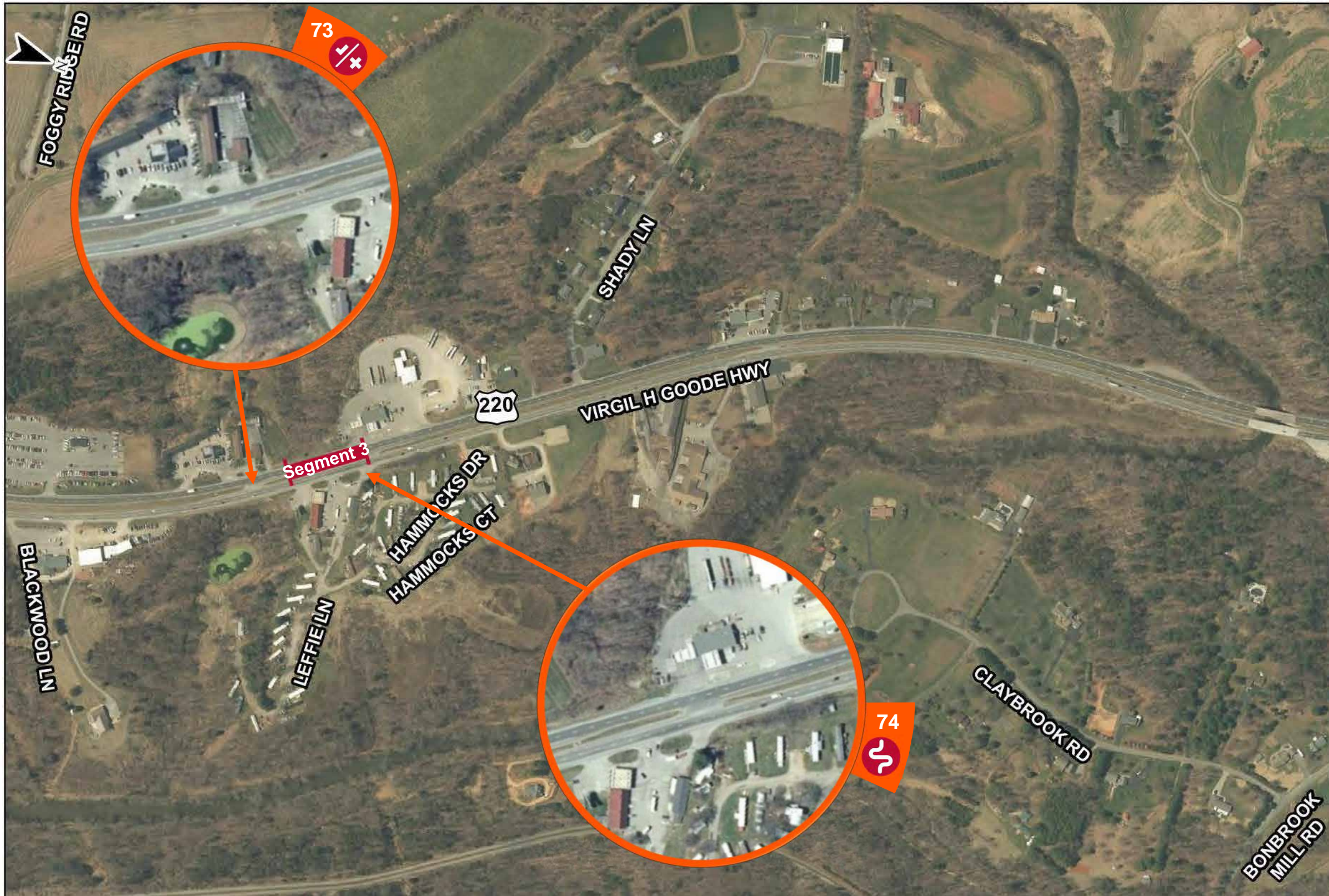


LEGEND

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|---|-----------------------|--|---------------------------------|--|--------------------|--|--------|
| # | Intersection Number | | Existing Deficiency Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

US 220 Arterial Preservation Plan Figure 26 Franklin County





Roadway, Intersection, & Median Crossover Recommendations

73. Route 220 at Crossover south of Leffie Lane

- Consolidate and improve access spacing of crossover

Segment 3: Route 220 from south of Leffie Lane to Leffie Lane

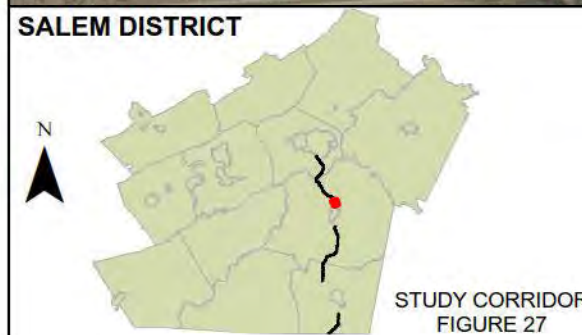
- Consolidate and improve access spacing of crossovers and driveways

74. Route 220 at Crossover north of Leffie Lane






- Improve turn lanes to standard

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs

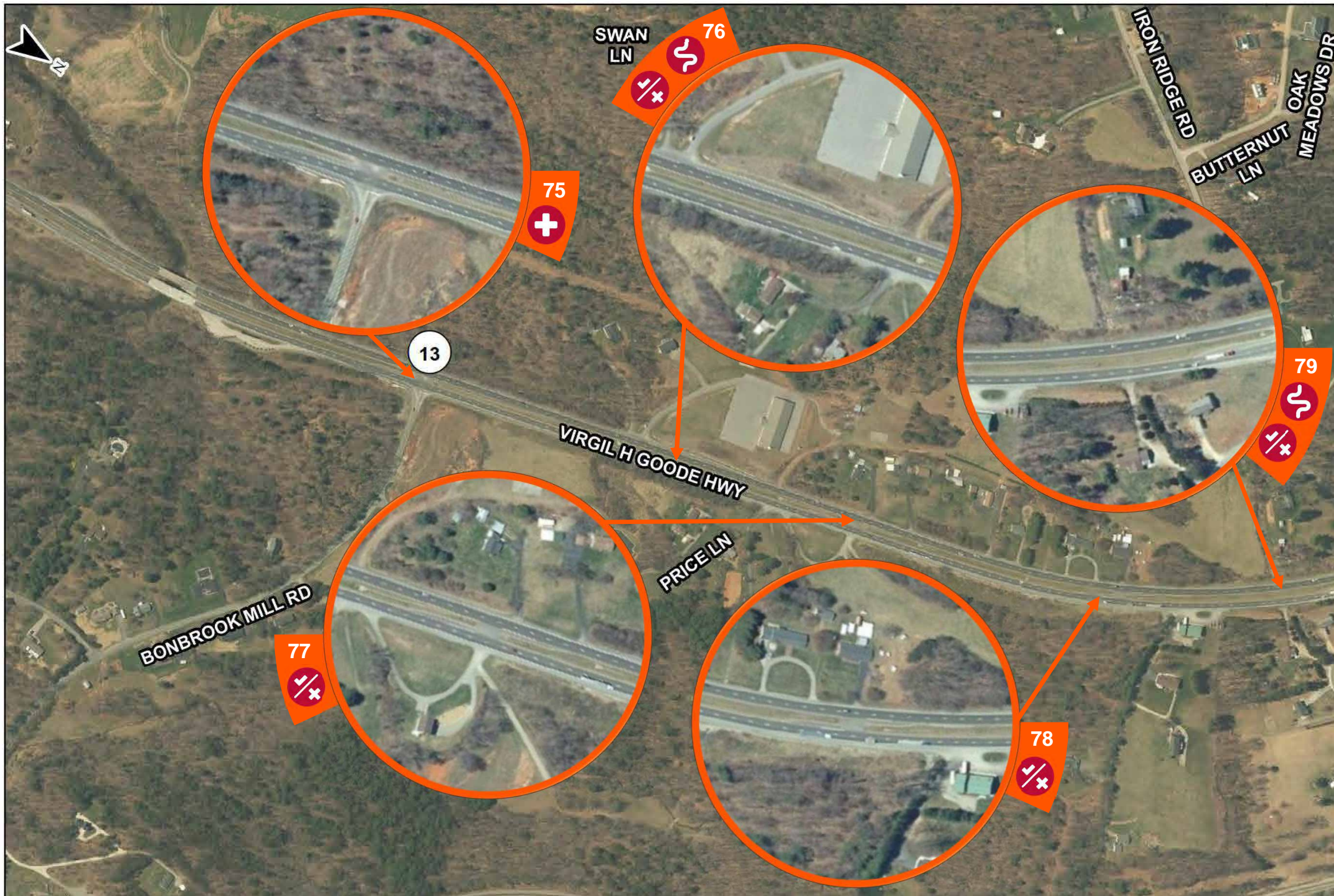


LEGEND

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|---|-----------------------|---|-------------------|---|--------------------|---|--------|
| # | Intersection Number |  | Geometry |  | Future Development |  | Safety |
| # | Emerging Intersection |  | Access Management |  | Traffic Operations | | |

US 220 Arterial Preservation Plan Figure 27 Franklin County

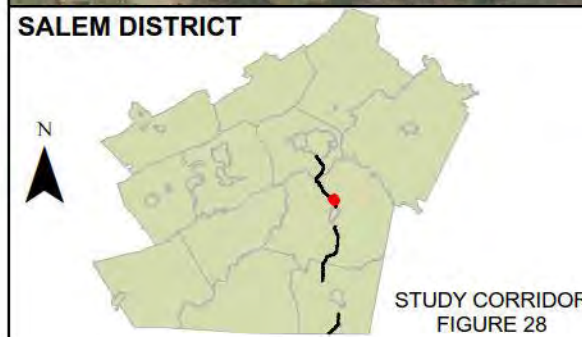




Roadway, Intersection, & Median Crossover Recommendations

- 75. Route 220 at Bonbrook Mill Road**
 - Consolidate and improve access spacing of crossover
- 76. Route 220 at Crossover north of Bonbrook Mill Road**
 - Construct median opening with northbound and southbound left/U-Turn lanes
- 77. Route 220 at Crossover north of Price Lane**
 - Consolidate and improve access spacing of crossover
- 78. Route 220 at Crossover north of Intersection 77**
 - Consolidate and improve access spacing of crossover
- 79. Route 220 at Crossover north of Intersection 78**
 - Construct median opening with southbound U-turn lane

- Roadway**
- Flatten curvature along Route 220
 - Install rumble strips
 - Install guardrail
 - Construct paved shoulders
 - Improve sign consistency
 - Increase sign conspicuity
 - Install advanced curve warning signs

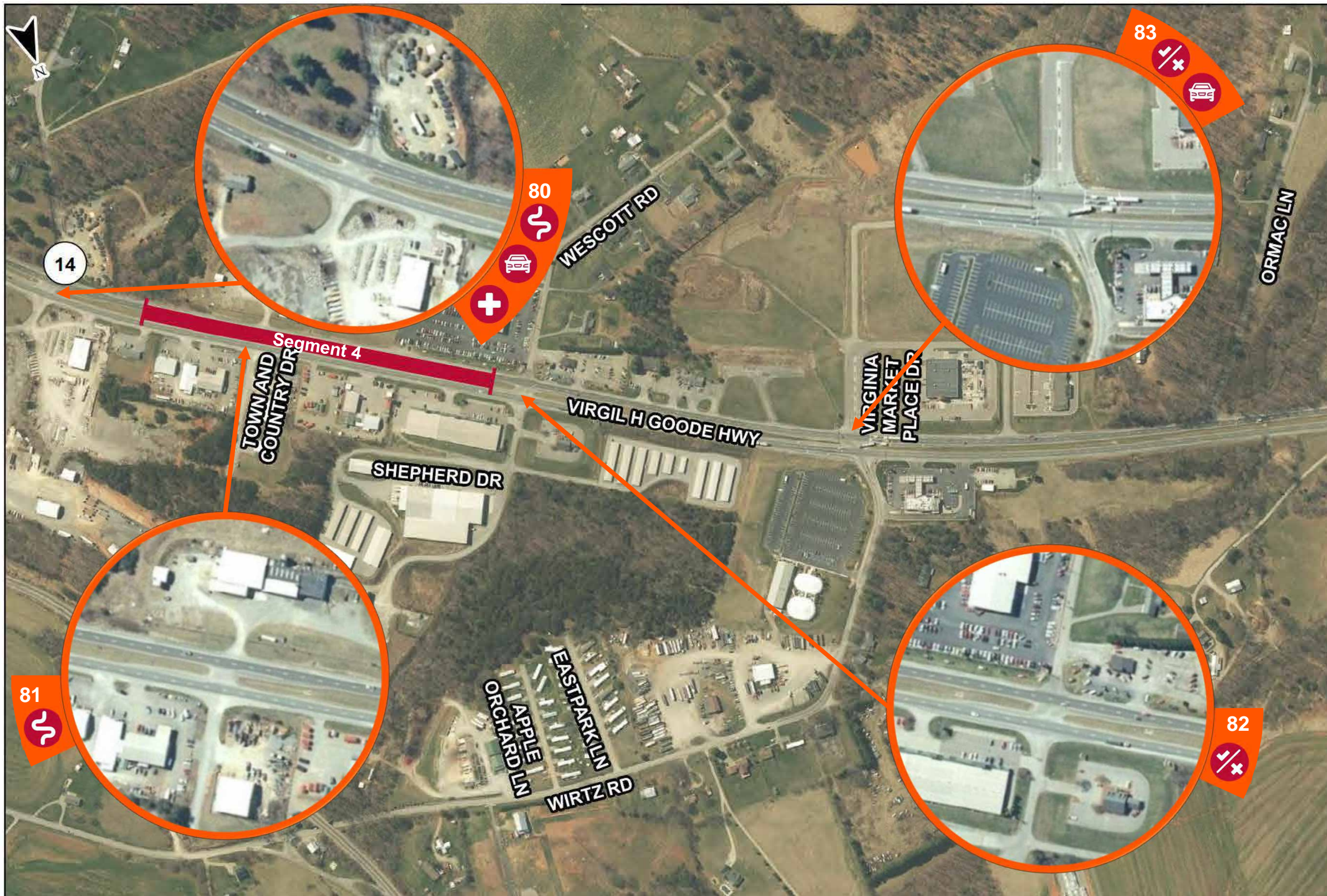


LEGEND

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|---|-----------------------|--|-------------------|--|--------------------|--|--------|
| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

US 220 Arterial Preservation Plan Figure 28 Franklin County





Roadway, Intersection, & Median Crossover Recommendations

- 80. Route 220 at Iron Ridge Road**
- Construct unsignalized Restricted Crossing U-Turn

- 81. Route 220 at Crossover north of Iron Ridge Road**
- Construct northbound left/U-turn lane
 - Construct southbound loon and acceleration lane

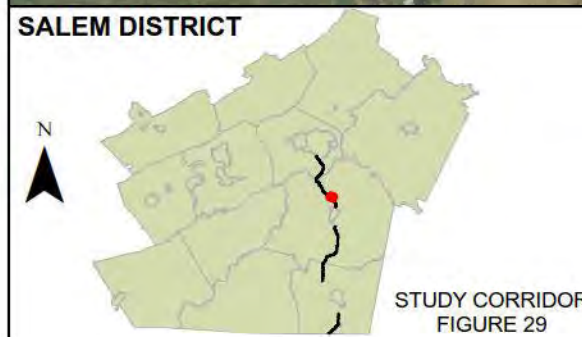
Segment 4: Route 220 from west of Town and Country Drive to west of Wescott Road/Shepherd Drive

- Consolidate and improve access spacing of crossovers and driveways

- 82. Route 220 at Wescott Road**
- Consolidate and improve access spacing of crossover

- 83. Route 220 at Wirtz Road/Virginia Market Place Drive**
- Remove eastbound and westbound through movements and signal phases

- Roadway**
- Flatten curvature along Route 220
 - Install rumble strips
 - Install guardrail
 - Construct paved shoulders
 - Improve sign consistency
 - Increase sign conspicuity
 - Install advanced curve warning signs



LEGEND

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|---|-----------------------|--|---------------------|--|--------------------|--|--------|
| # | Intersection Number | | Existing Deficiency | | Future Development | | Safety |
| # | Emerging Intersection | | Geometry | | Traffic Operations | | |
| | | | Access Management | | | | |

US 220 Arterial Preservation Plan Figure 29 Franklin County



Route 220 at Iron Ridge Road

Recommendation: Restricted Crossing U-Turn

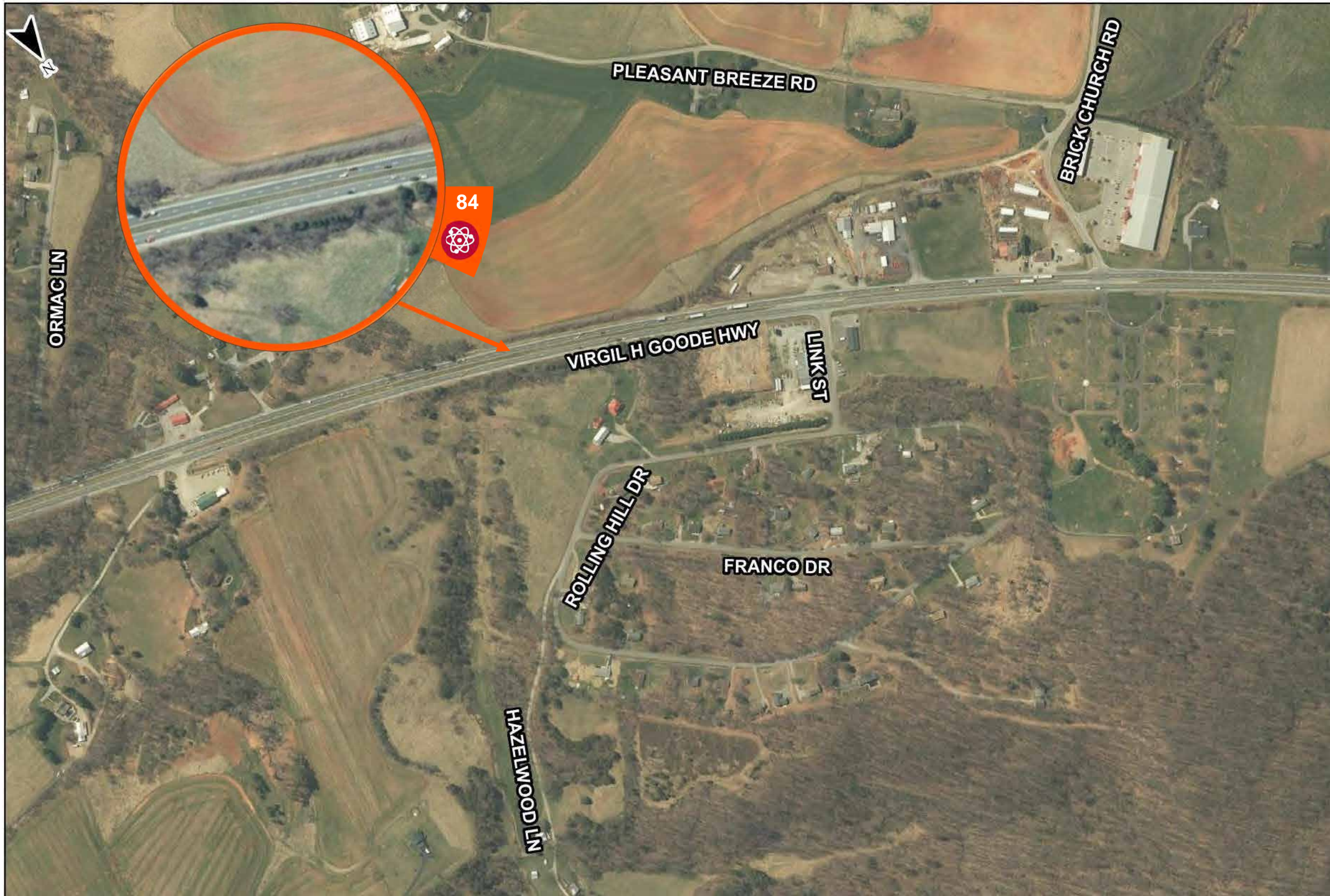
Implementation: Long-Term (11+ Years)

Route 220 at Wirtz Road

Recommendation: Through-Cut

Implementation: Short-Term (1-3 Years)





Roadway, Intersection, & Median Crossover Recommendations

84. Route 220 at Crossover south of Link Street

- Construct 2-phase signalized intersection
- Construct northbound left turn lane
- Construct southbound right turn lane
- Construct right in/right out on eastbound approach

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs

SALEM DISTRICT



STUDY CORRIDOR
FIGURE 30

LEGEND

Intersection Number

Emerging Intersection

Existing Deficiency

Geometry

Access Management

Future Development

Traffic Operations

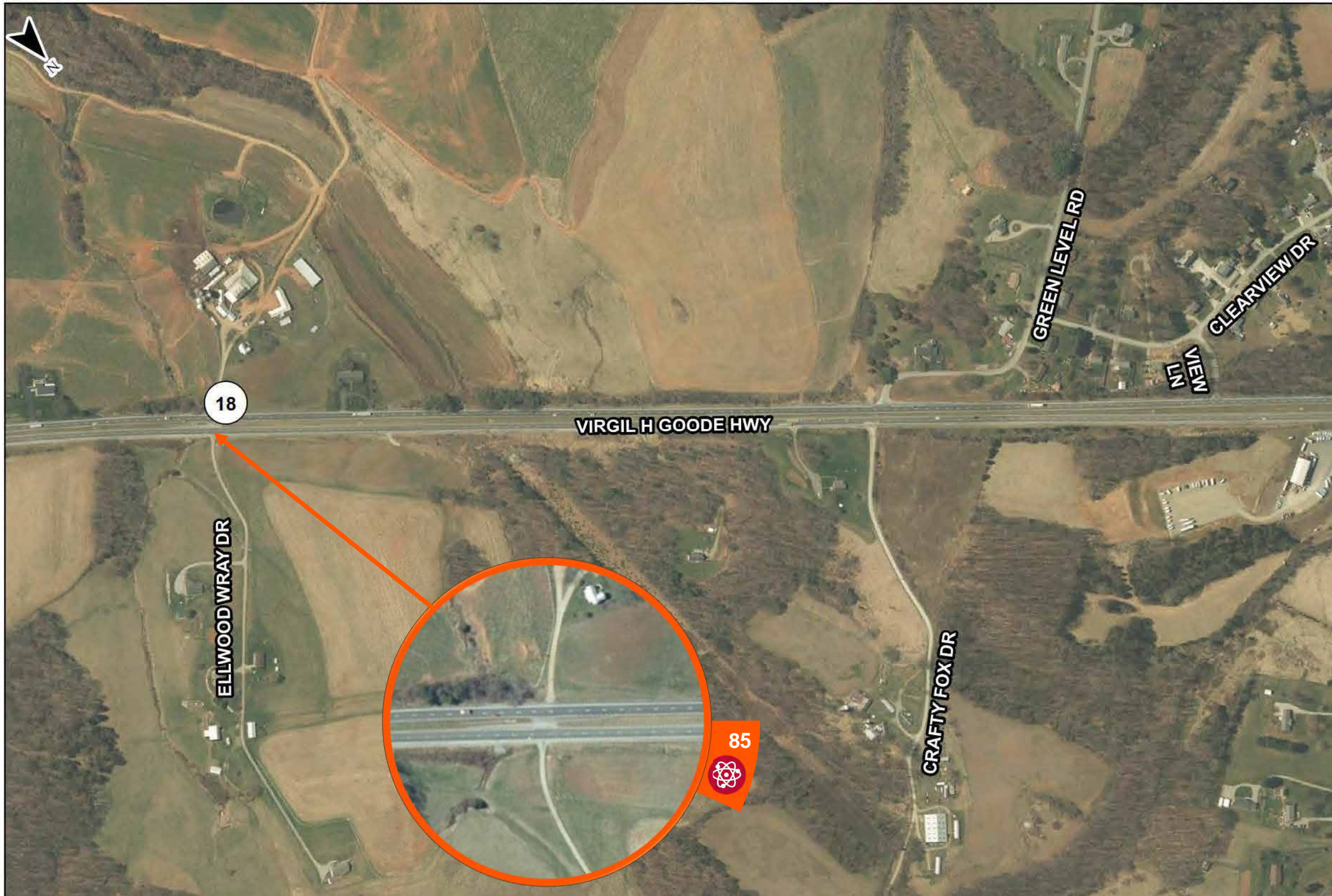
Safety

US 220 Arterial Preservation Plan

Figure 30

Franklin County

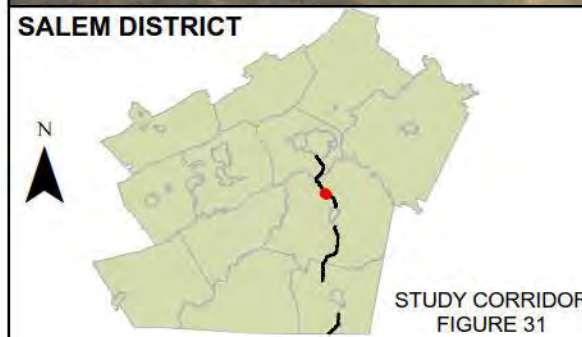
VDOT ARTERIAL O
PRESERVATION PROGRAM



Roadway, Intersection, & Median Crossover Recommendations

- 85. Route 220 at Ellwood Wray Drive**
- Construct 2-phase signalized intersection
 - Construct southbound right turn lane
 - Construct right and left turns on eastbound approach

- Roadway**
- Flatten curvature along Route 220
 - Install rumble strips
 - Install guardrail
 - Construct paved shoulders
 - Improve sign consistency
 - Increase sign conspicuity
 - Install advanced curve warning signs

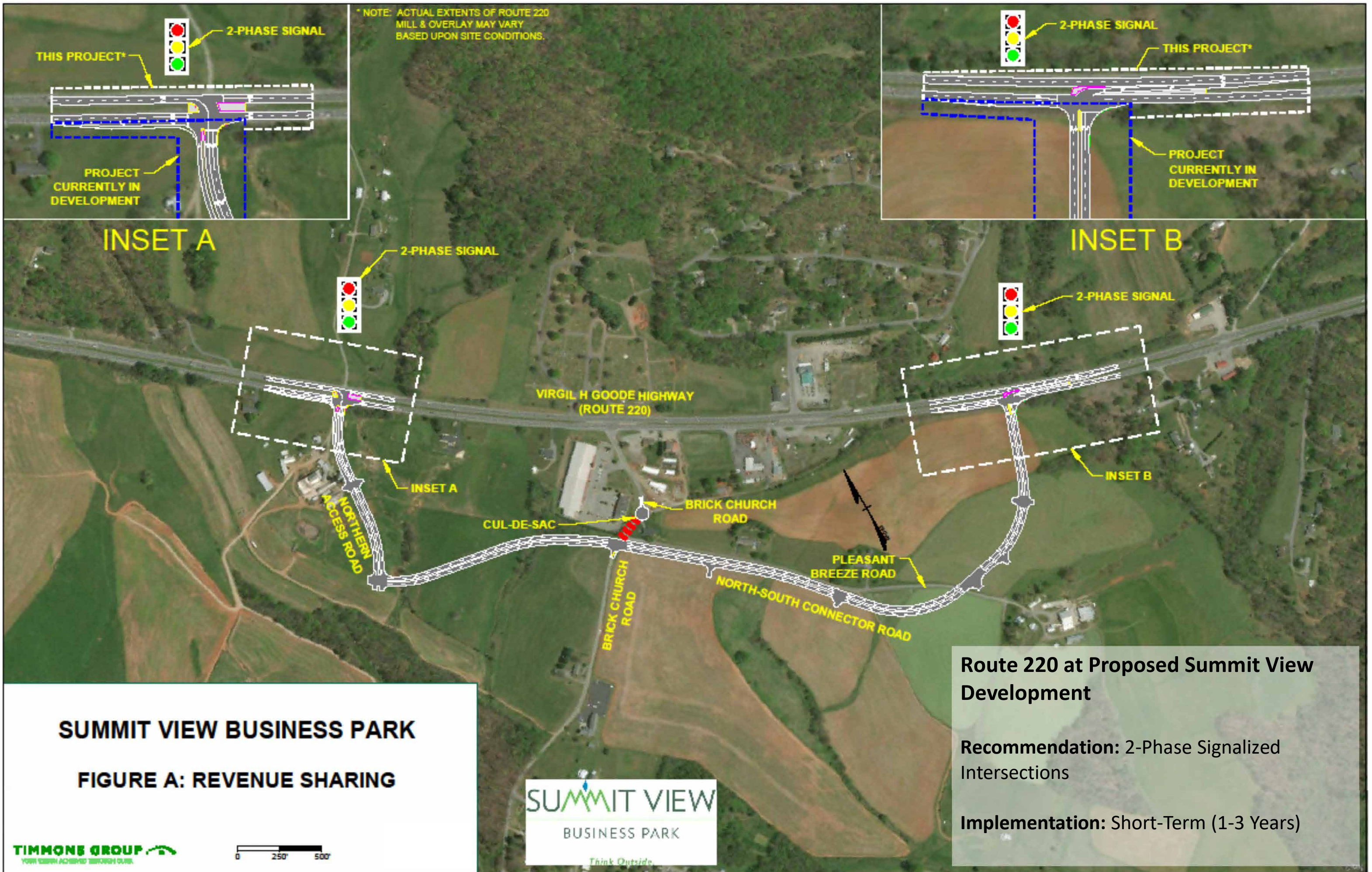


LEGEND

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|---|-----------------------|--|--------------------|--------|
| # | Intersection Number | Existing Deficiency: Geometry | Future Development | Safety |
| # | Emerging Intersection | Existing Deficiency: Access Management | Traffic Operations | |

US 220 Arterial Preservation Plan Figure 31 Franklin County





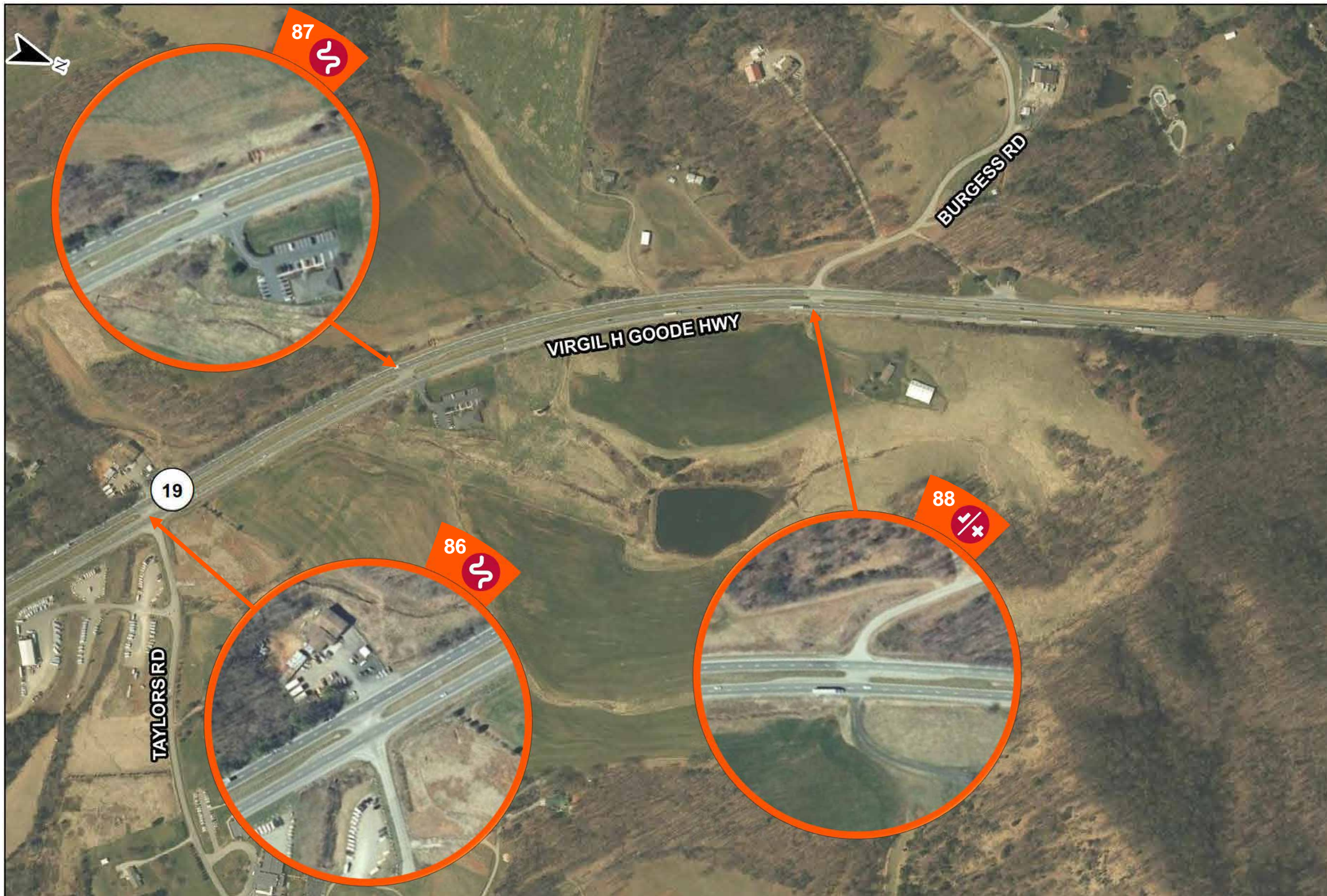
SUMMIT VIEW BUSINESS PARK

FIGURE A: REVENUE SHARING

Route 220 at Proposed Summit View Development

Recommendation: 2-Phase Signalized Intersections

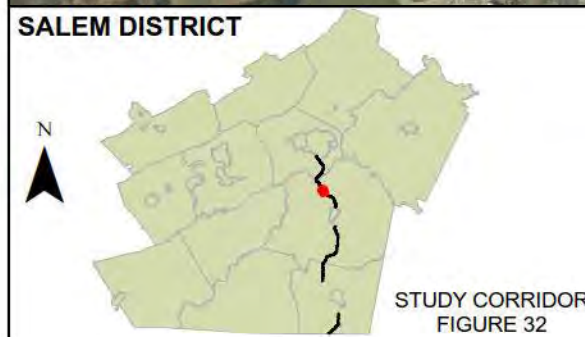
Implementation: Short-Term (1-3 Years)



Roadway, Intersection, & Median Crossover Recommendations

- 86. Route 220 at Taylors Road**
 - Improve turn lanes to standard
- 87. Route 220 at Crossover north of Taylors Road**
 - Improve turn lanes to standard
- 88. Route 220 at Burgess Road**
 - Consolidate and improve access spacing of crossover

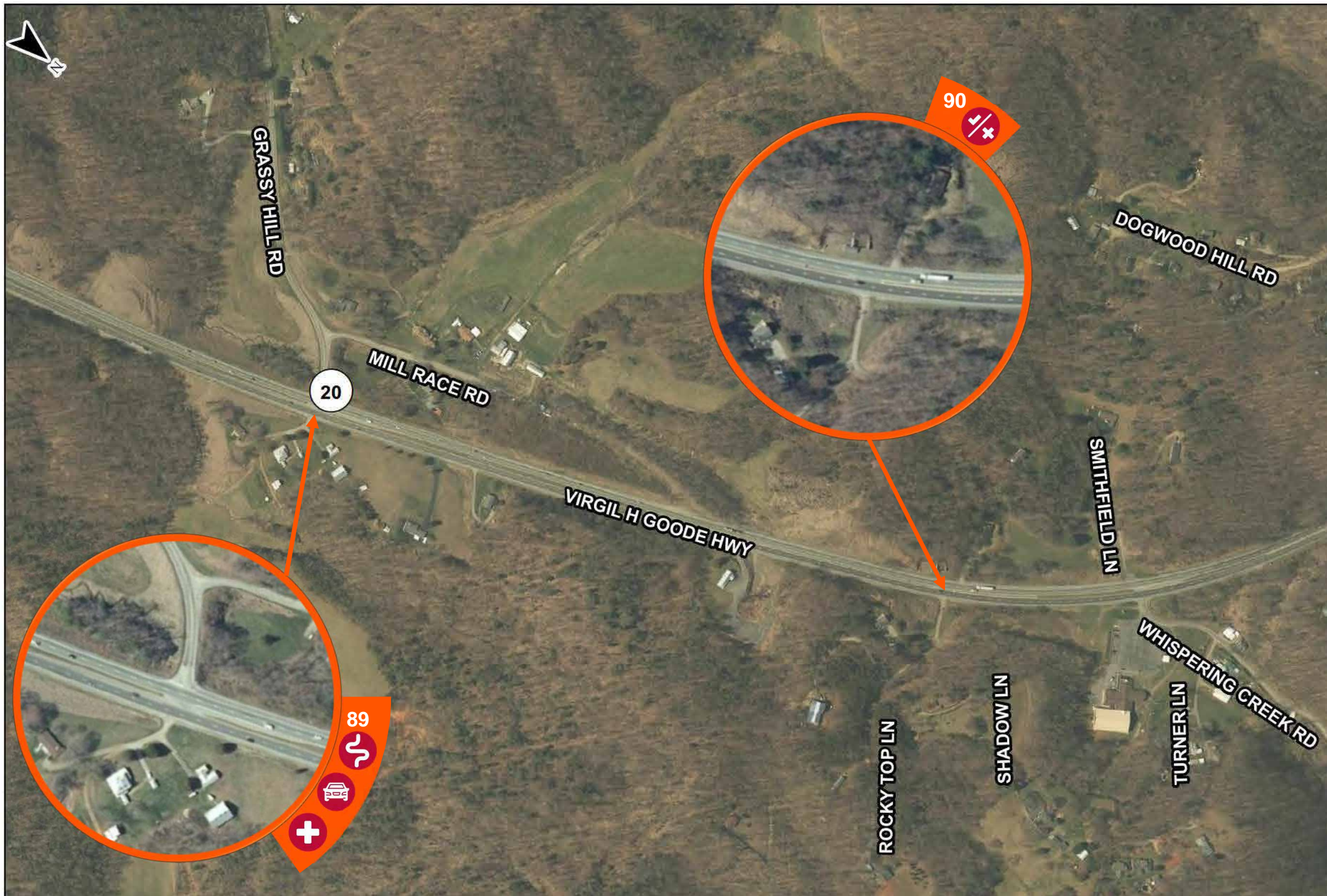
- Roadway**
- Flatten curvature along Route 220
 - Install rumble strips
 - Install guardrail
 - Construct paved shoulders
 - Improve sign consistency
 - Increase sign conspicuity
 - Install advanced curve warning signs



LEGEND

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|---|-----------------------|--|-------------------|--|--------------------|--|--------|
| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

US 220 Arterial Preservation Plan
Figure 32
Franklin County



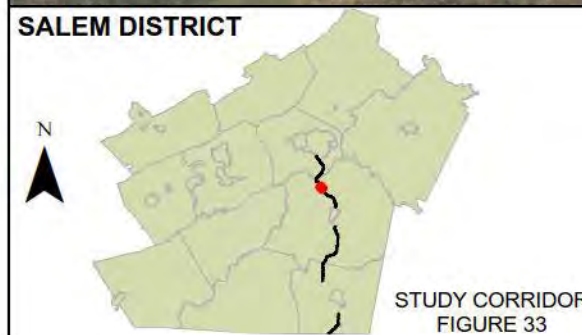
Roadway, Intersection, & Median Crossover Recommendations

- 89. Route 220 at Grassy Hill Road**
- Construct unsignalized Seagull with northbound acceleration lane
 - Construct southbound right turn lane

- 90. Route 220 at Shadow Lane**
- Consolidate and improve access spacing of crossover

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs



LEGEND

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|---|-----------------------|-------------------------------|--------------------|--------|
| # | Intersection Number | Existing Deficiency: Geometry | Future Development | Safety |
| # | Emerging Intersection | Access Management | Traffic Operations | |

US 220 Arterial Preservation Plan Figure 33 Franklin County



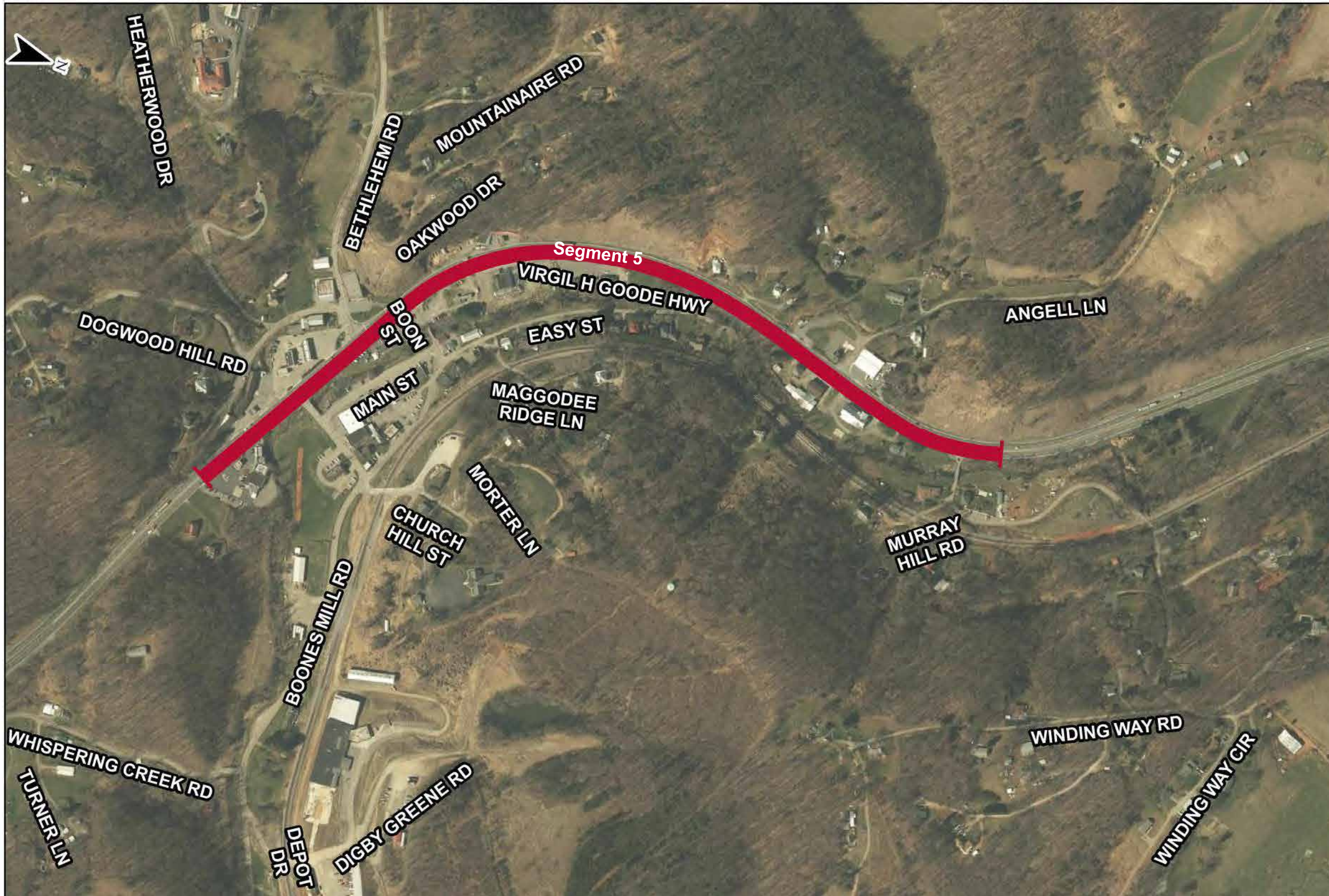


Grassy Hill Road

220

220

Route 220 at Grassy Hill Road
Recommendation: Unsignalized Continuous Green-T
Implementation: Short-Term (1-3 Years)
Cost: Funded



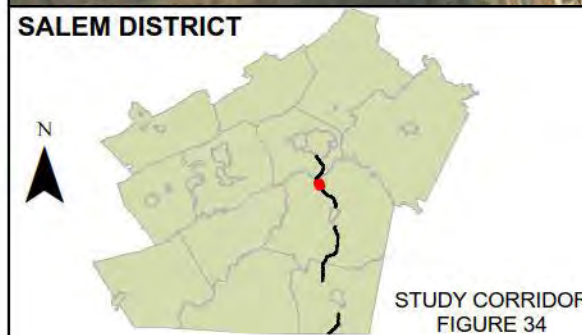
Roadway, Intersection, & Median Crossover Recommendations

Segment 5: Route 220 from south of Church Hill Street to north of Winding Way Road






- Consolidate and improve access spacing of crossovers and driveways

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs

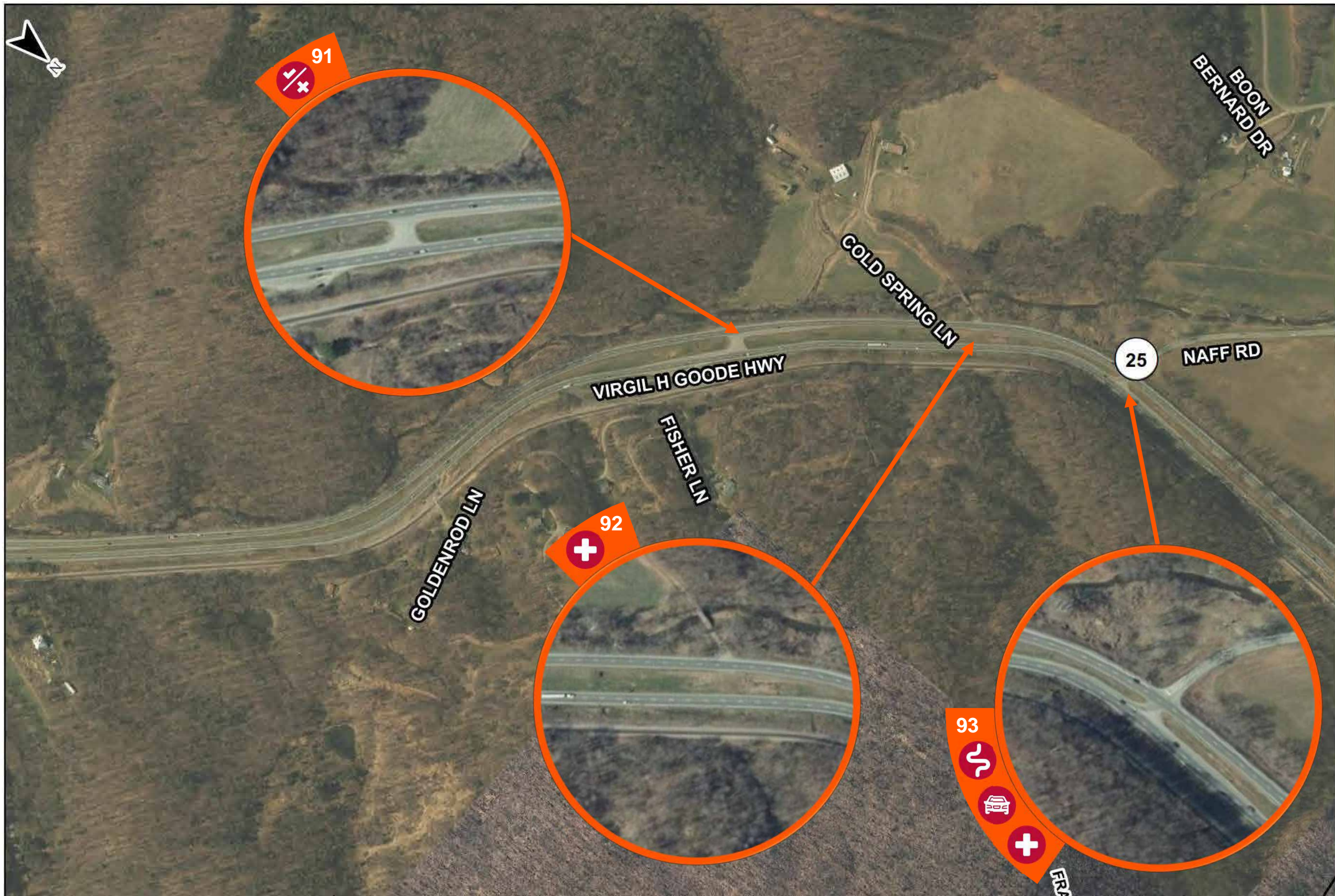


LEGEND

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|---|-----------------------|---|-------------------|---|--------------------|---|--------|
| # | Intersection Number |  | Geometry |  | Future Development |  | Safety |
| # | Emerging Intersection |  | Access Management |  | Traffic Operations | | |

**US 220 Arterial Preservation Plan
Figure 34
Franklin County**

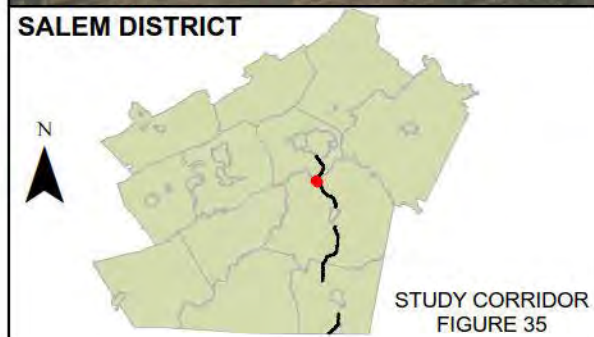




Roadway, Intersection, & Median Crossover Recommendations

- 91. Route 220 at Crossover south of Cold Spring Lane**
- Consolidate and improve access spacing of crossover
- 92. Route 220 at Cold Spring Lane**
- Install advanced curve warning signs
- 93. Route 220 at Naff Road**
- Construct unsignalized Seagull with northbound acceleration lane
 - Construct southbound and eastbound right turn lanes

- Roadway**
- Flatten curvature along Route 220
 - Install rumble strips
 - Install guardrail
 - Construct paved shoulders
 - Improve sign consistency
 - Increase sign conspicuity
 - Install advanced curve warning signs



| LEGEND | | Existing Deficiency | | | | | |
|--------|-----------------------|---------------------|-------------------|--|--------------------|--|--------|
| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

US 220 Arterial Preservation Plan
Figure 35
Franklin County



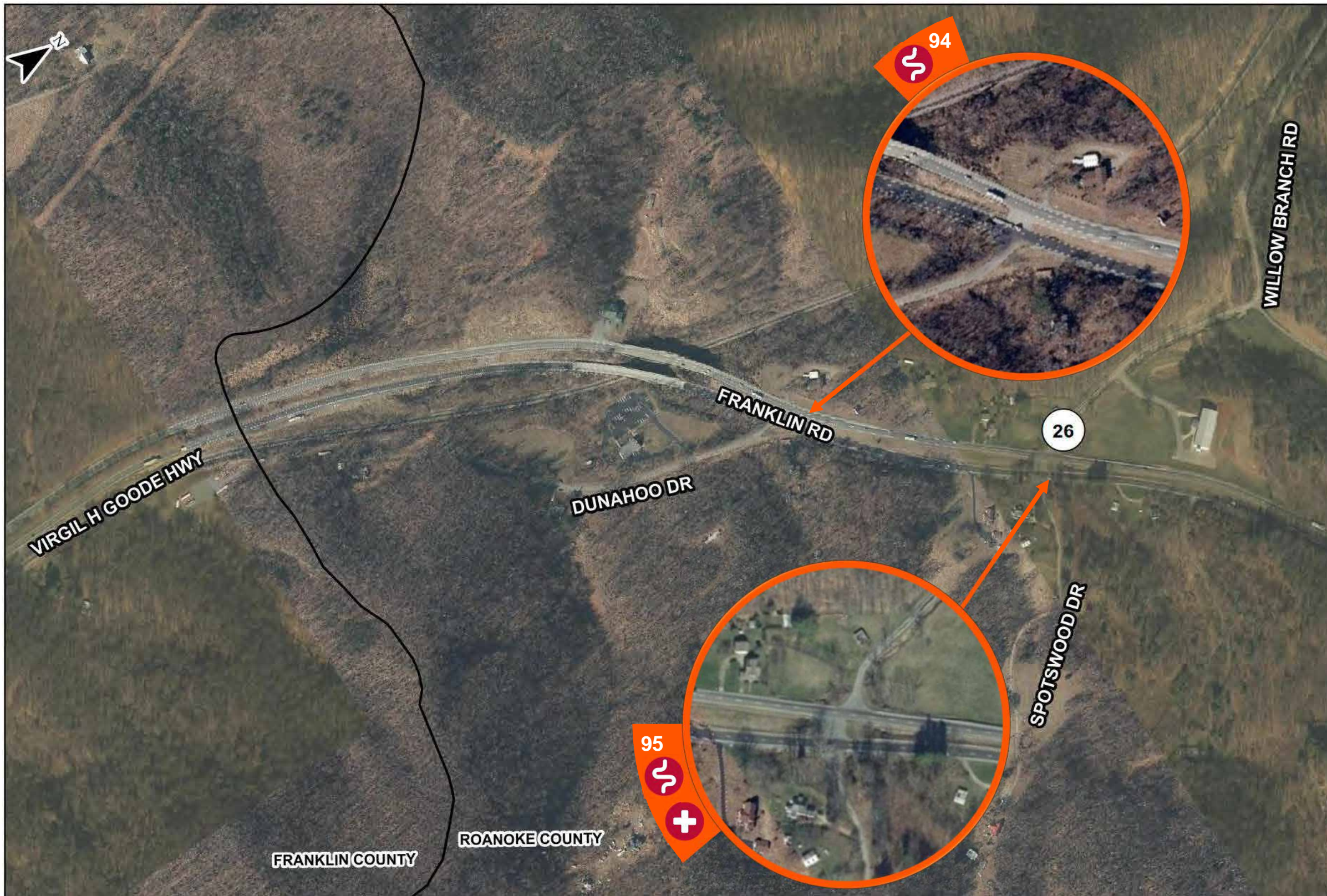


Naff Road

220

220

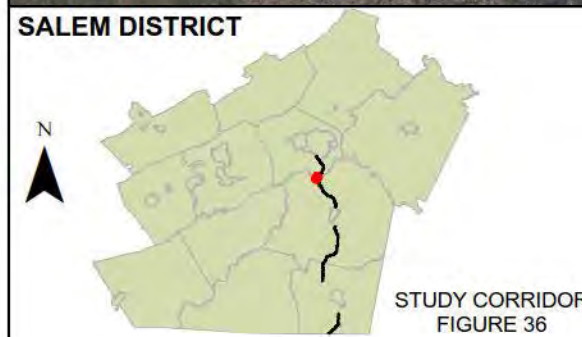
Route 220 at Naff Road
Recommendation: Unsignalized Continuous Green-T
Implementation: Mid-Term (4-10 Years) – Long-Term (11+ Years)



Roadway, Intersection, & Median Crossover Recommendations

- 94. Route 220 at Dunahoo Drive**
 - Improve turn lanes to standard
- 95. Route 220 at Spotswood Drive/Willow Branch Drive**
 - Construct northbound left/U-turn lanes

- Roadway**
- Flatten curvature along Route 220
 - Install rumble strips
 - Install guardrail
 - Construct paved shoulders
 - Improve sign consistency
 - Increase sign conspicuity
 - Install advanced curve warning signs

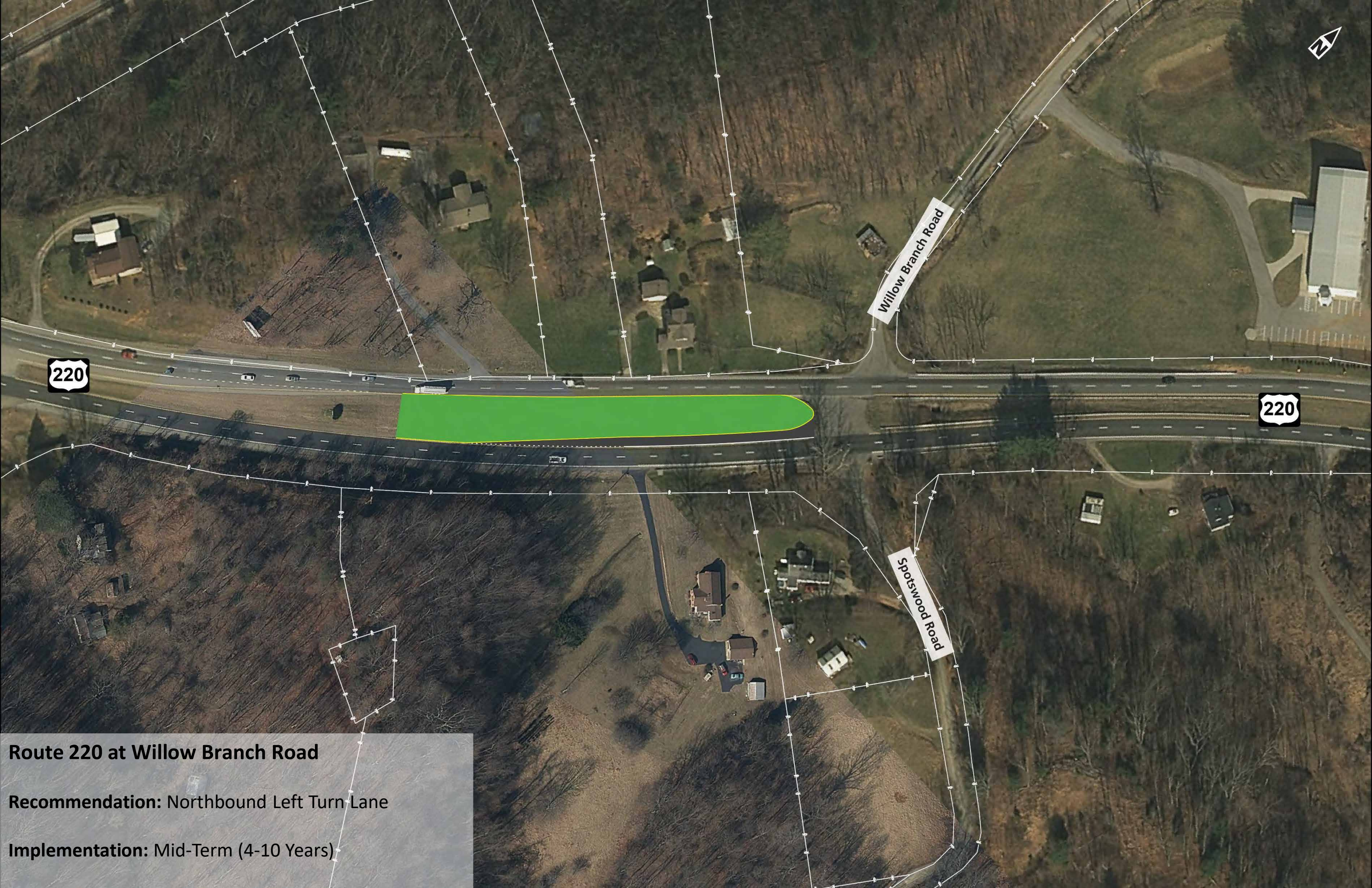


LEGEND

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|---|-----------------------|--|-------------------|--|--------------------|--|--------|
| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

US 220 Arterial Preservation Plan Figure 36 Roanoke County





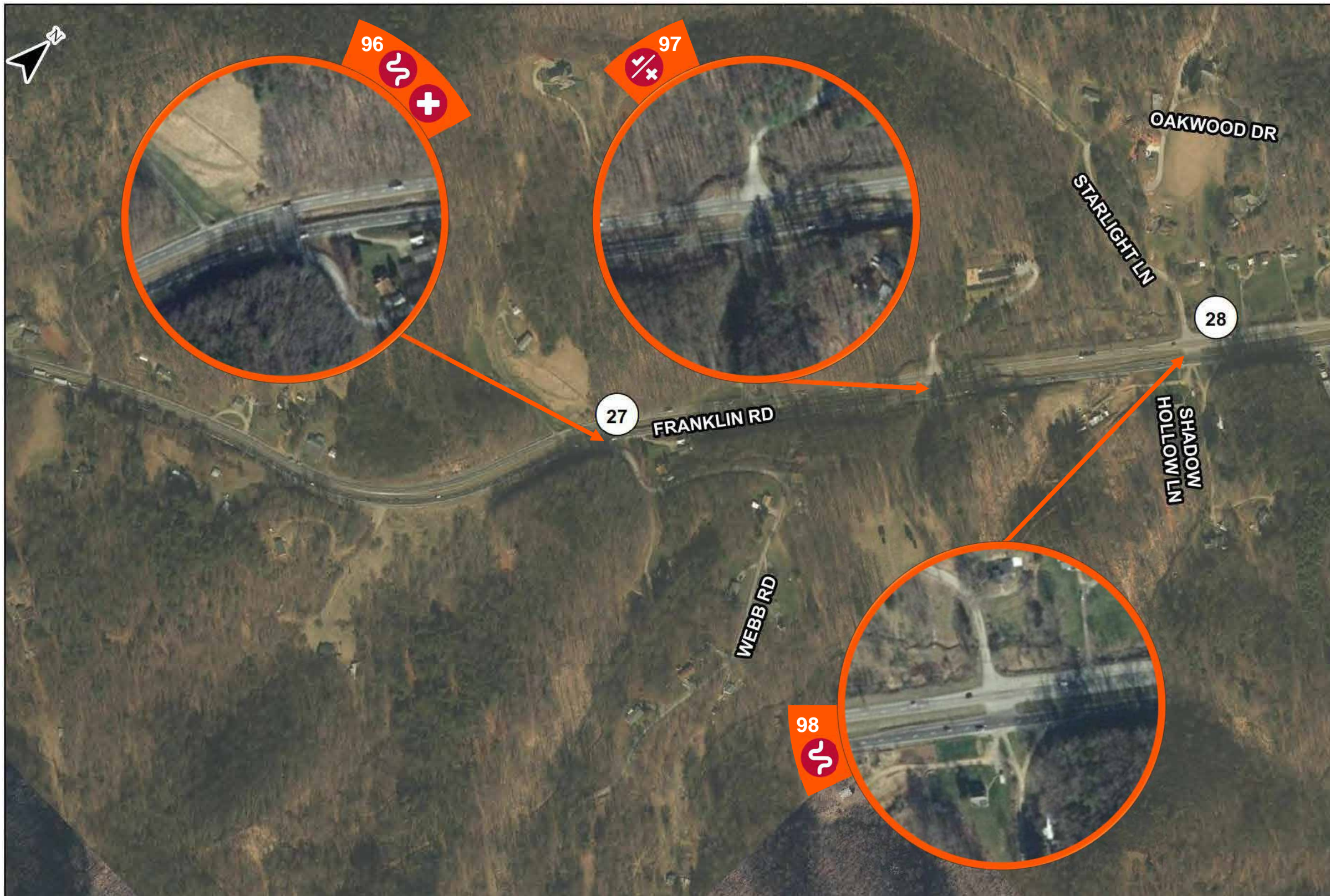
220

220

Willow Branch Road

Spotswood Road

Route 220 at Willow Branch Road
Recommendation: Northbound Left Turn Lane
Implementation: Mid-Term (4-10 Years)



Roadway, Intersection, & Median Crossover Recommendations

96. Route 220 at Webb Road

- Remove westbound left turn movement
- Construct northbound right turn lane

97. Route 220 at Crossover north of Webb Road

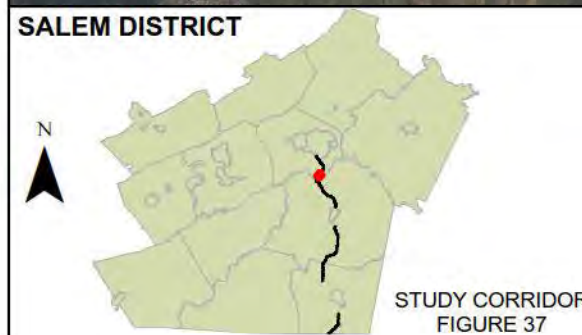
- Consolidate and improve access spacing of crossover

98. Route 220 at Starlight Lane/Shadow Hollow Lane

- Improve turn lanes to standard

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs



LEGEND

Intersection Number

Emerging Intersection

Existing Deficiency

Geometry

Access Management

Future Development

Traffic Operations

Safety

US 220 Arterial Preservation Plan Figure 37 Roanoke County





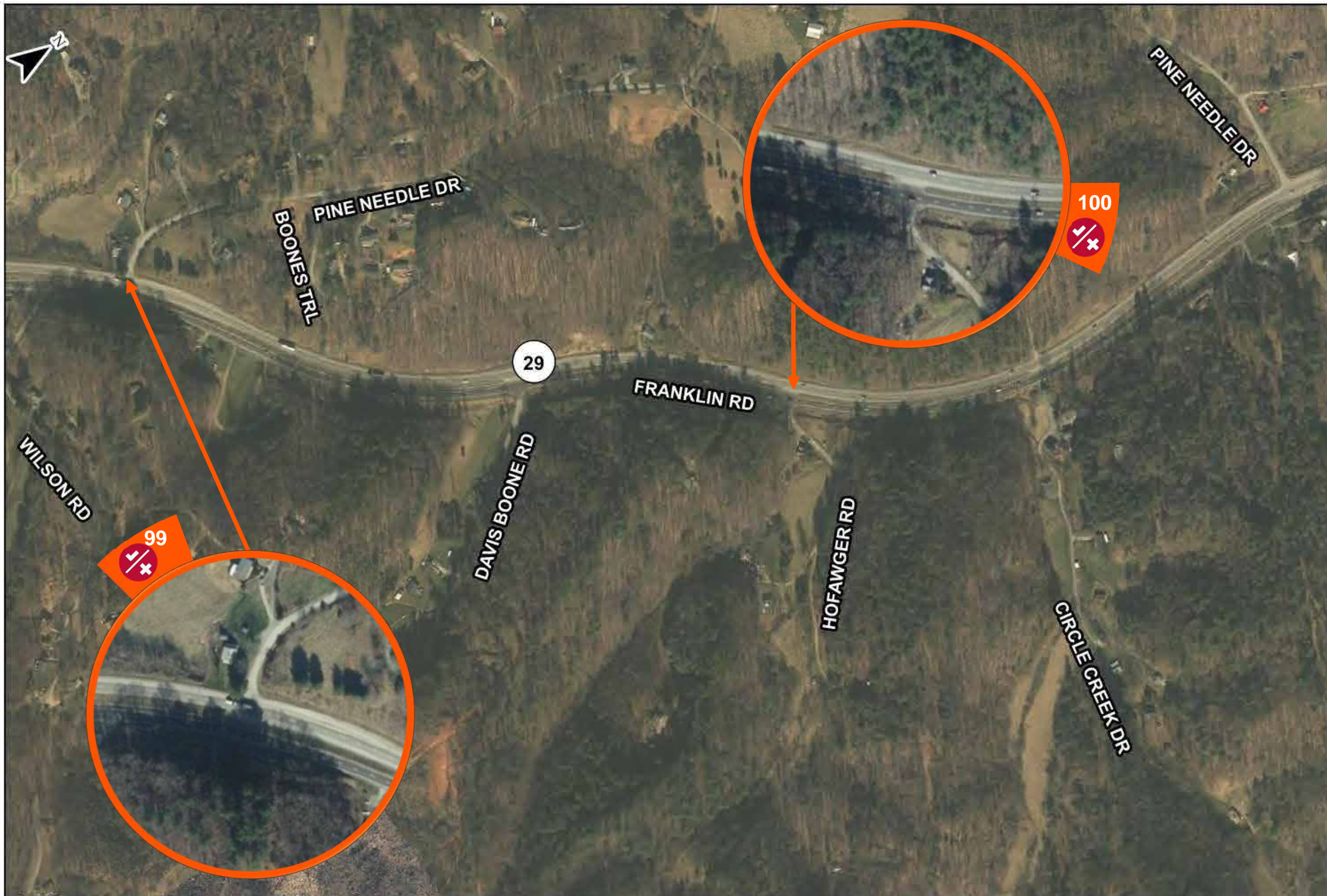
Webb Road

220

Route 220 at Webb Road

Recommendation: Right-In/Right-Out with Median Closure

Implementation: Mid-Term (4-10 Years)



Roadway, Intersection, & Median Crossover Recommendations

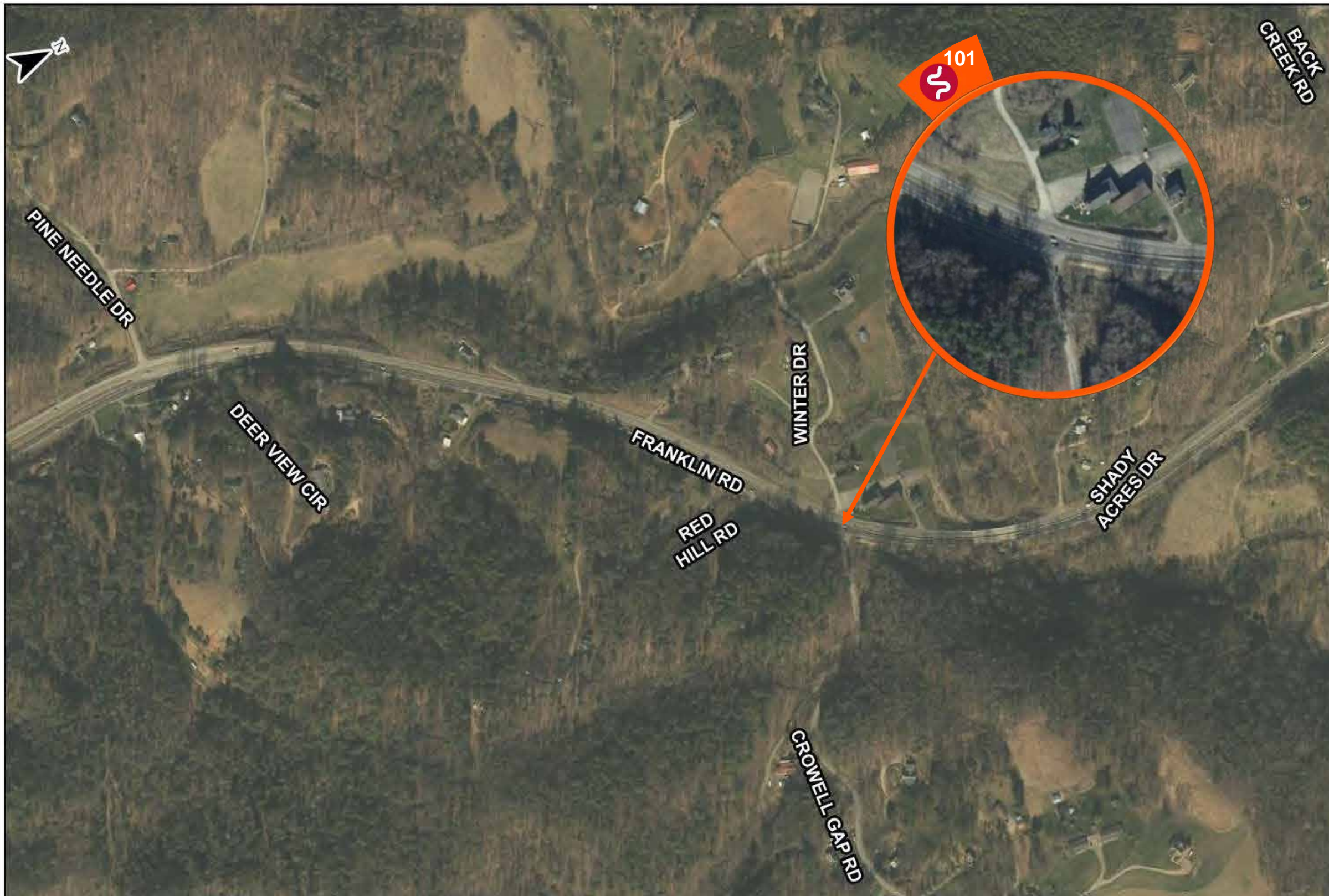
- 99. Route 220 at Pine Needle Drive**
 - Consolidate and improve access spacing of crossover
- 100. Route 220 at Hofawger Road**
 - Consolidate and improve access spacing of crossover

- Roadway**
- Flatten curvature along Route 220
 - Install rumble strips
 - Install guardrail
 - Construct paved shoulders
 - Improve sign consistency
 - Increase sign conspicuity
 - Install advanced curve warning signs



| LEGEND | | Existing Deficiency | | | | | |
|--------|-----------------------|---------------------|-------------------|--|--------------------|--|--------|
| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

US 220 Arterial Preservation Plan
Figure 38
Roanoke County








Roadway, Intersection, & Median Crossover Recommendations

- 101. Route 220 at Winter Drive/Crowell Gap Road**
- Consolidate and improve access spacing of crossover

- Roadway**
- Flatten curvature along Route 220
 - Install rumble strips
 - Install guardrail
 - Construct paved shoulders
 - Improve sign consistency
 - Increase sign conspicuity
 - Install advanced curve warning signs

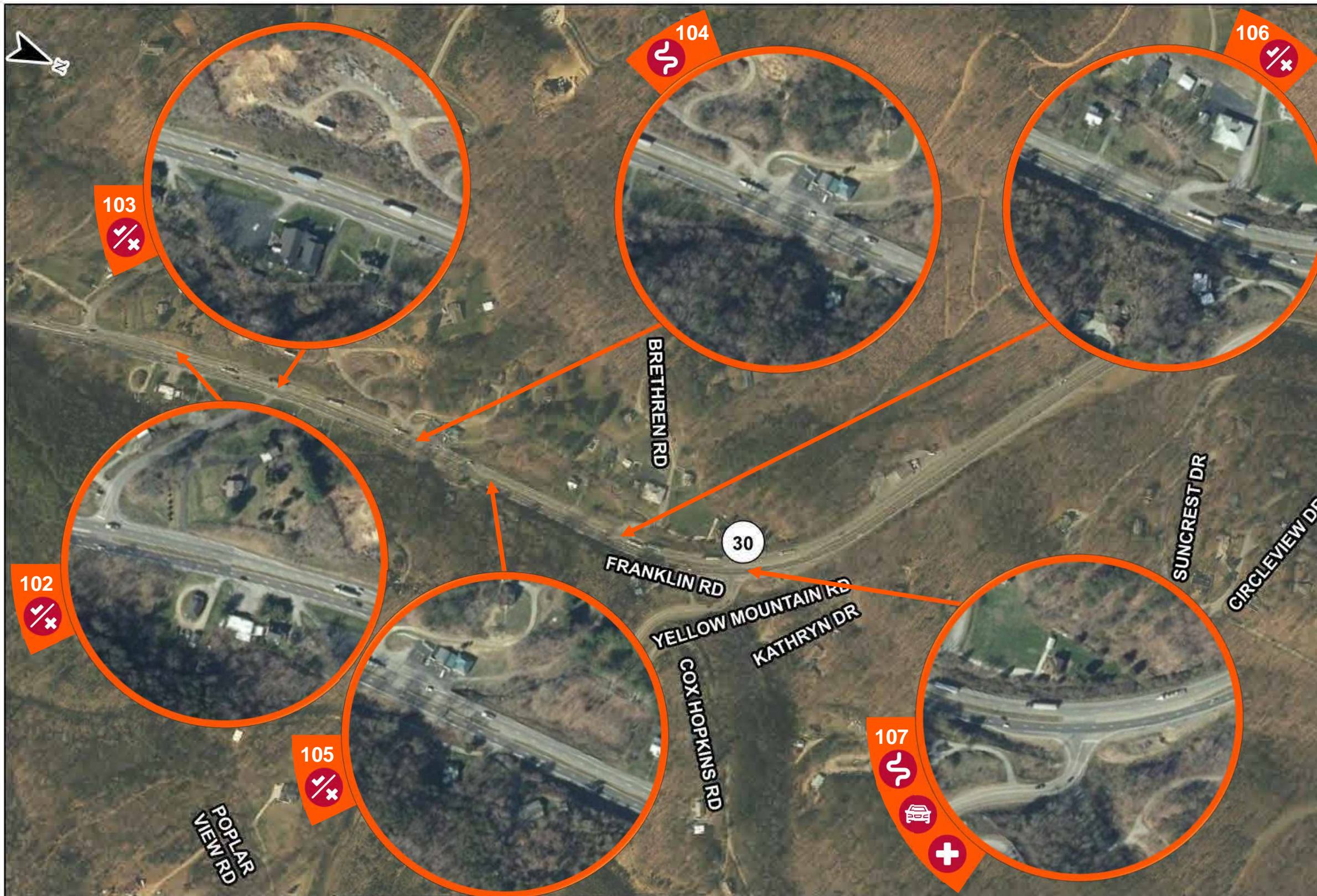


LEGEND

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|---|-----------------------|---|---------------------------------|---|--------------------|---|--------|
| # | Intersection Number |  | Existing Deficiency Geometry |  | Future Development |  | Safety |
| # | Emerging Intersection |  | Access Management |  | Traffic Operations | | |

**US 220 Arterial Preservation Plan
Figure 39
Roanoke County**





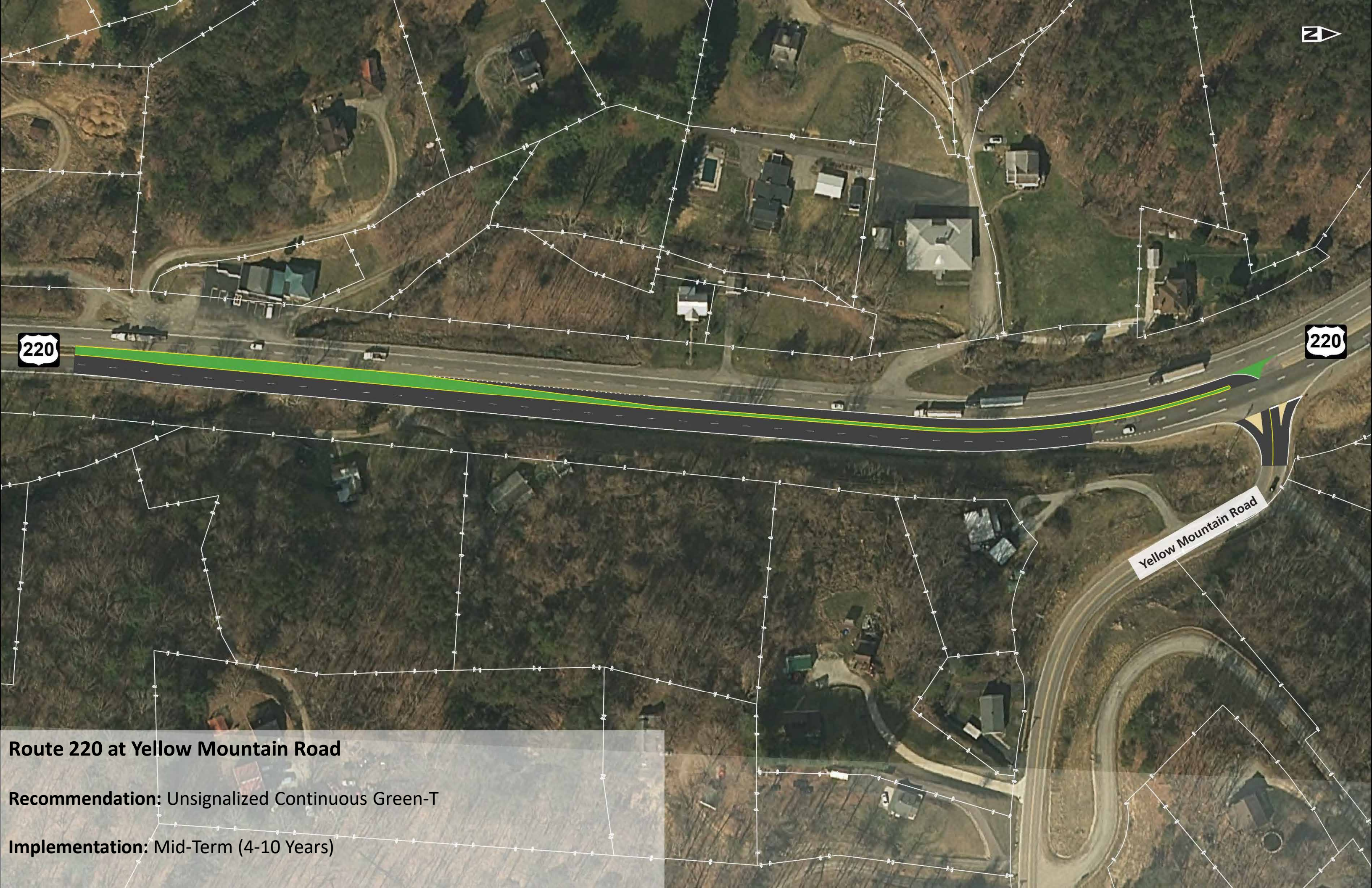
- ### Roadway, Intersection, & Median Crossover Recommendations
- 102. Route 220 at Crossover north of Back Creek Road**
 - Consolidate and improve access spacing of crossover
 - 103. Route 220 at Crossover north of Intersection 102**
 - Consolidate and improve access spacing of crossover
 - 104. Route 220 at Crossover south of Intersection 105**
 - Construct northbound left turn lane and southbound U-turn lane
 - 105. Route 220 at Crossover south of Brethren Road**
 - Consolidate and improve access spacing of crossover
 - 106. Route 220 at Brethren Road**
 - Consolidate and improve access spacing of crossover
 - 107. Route 220 at Yellow Mountain Road**
 - Construct unsignalized Seagull with southbound acceleration lane
- Roadway**
- Flatten curvature along Route 220
 - Install rumble strips
 - Install guardrail
 - Construct paved shoulders
 - Improve sign consistency
 - Increase sign conspicuity
 - Install advanced curve warning signs



LEGEND

| | | | | | | | |
|---|-----------------------|--|-------------------|--|--------------------|--|--------|
| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

**US 220 Arterial Preservation Plan
Figure 40
Roanoke County**



220

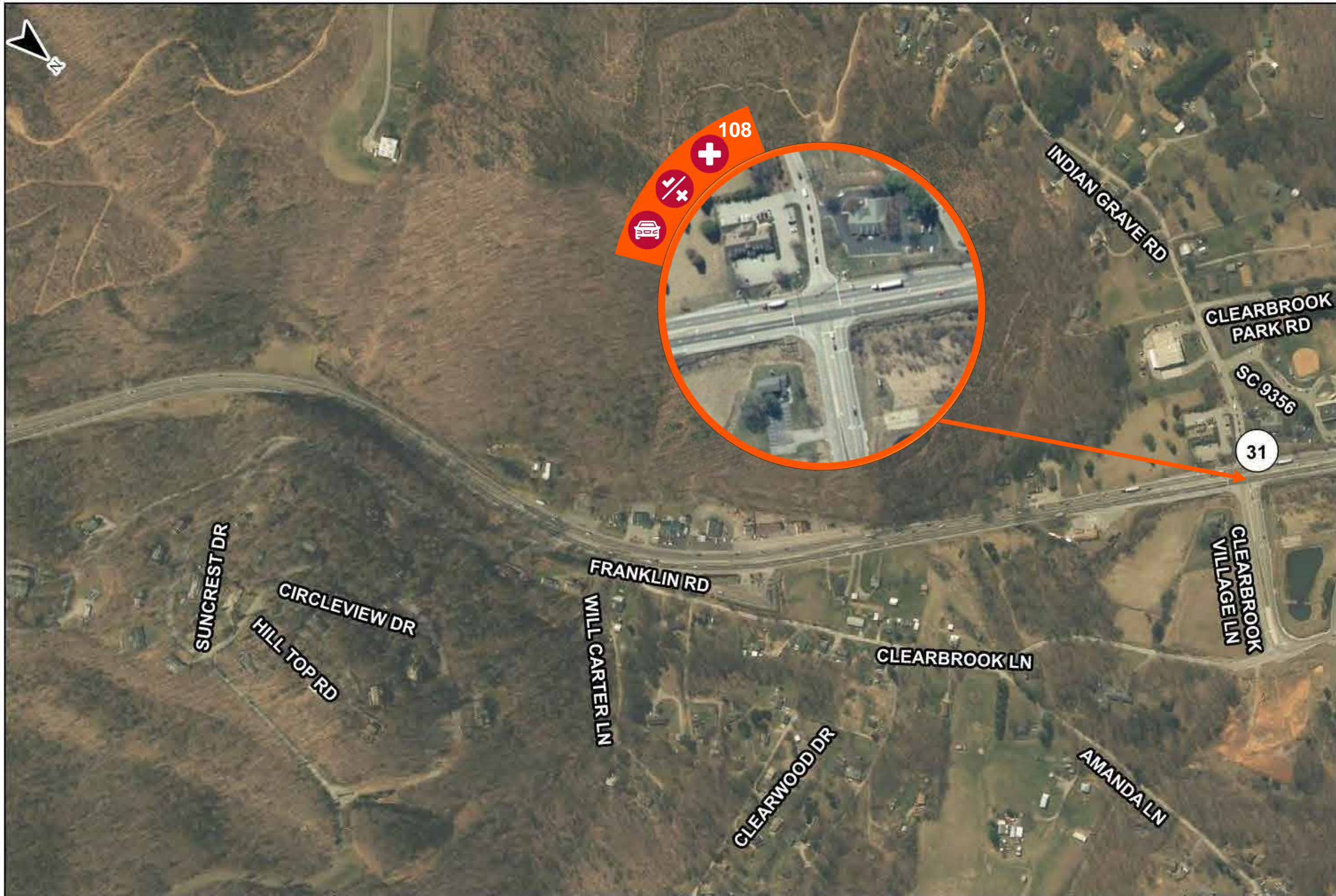
220

Yellow Mountain Road

Route 220 at Yellow Mountain Road

Recommendation: Unsignalized Continuous Green-T

Implementation: Mid-Term (4-10 Years)



Roadway, Intersection, & Median Crossover Recommendations

- 108. Route 220 at Clearbrook Village Lane/Indian Grave Road**
- Remove eastbound and westbound through movements and signal phases

- Roadway**
- Flatten curvature along Route 220
 - Install rumble strips
 - Install guardrail
 - Construct paved shoulders
 - Improve sign consistency
 - Increase sign conspicuity
 - Install advanced curve warning signs

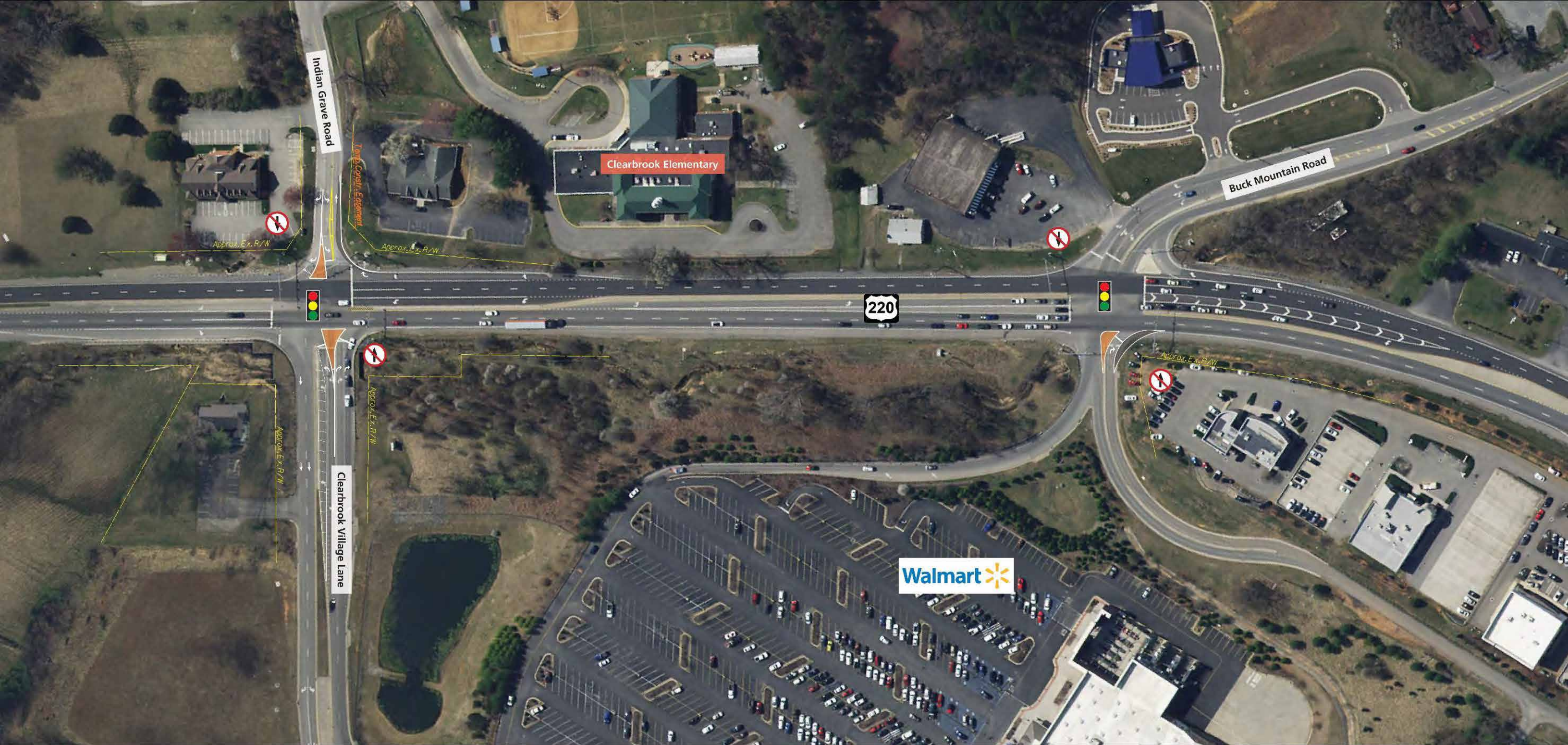


LEGEND

- | | | | | | | | |
|---|-----------------------|--|-------------------|--|--------------------|--|--------|
| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

**US 220 Arterial Preservation Plan
Figure 41
Roanoke County**





Route 220 at Clearbrook Village Lane/Indian Grave Road

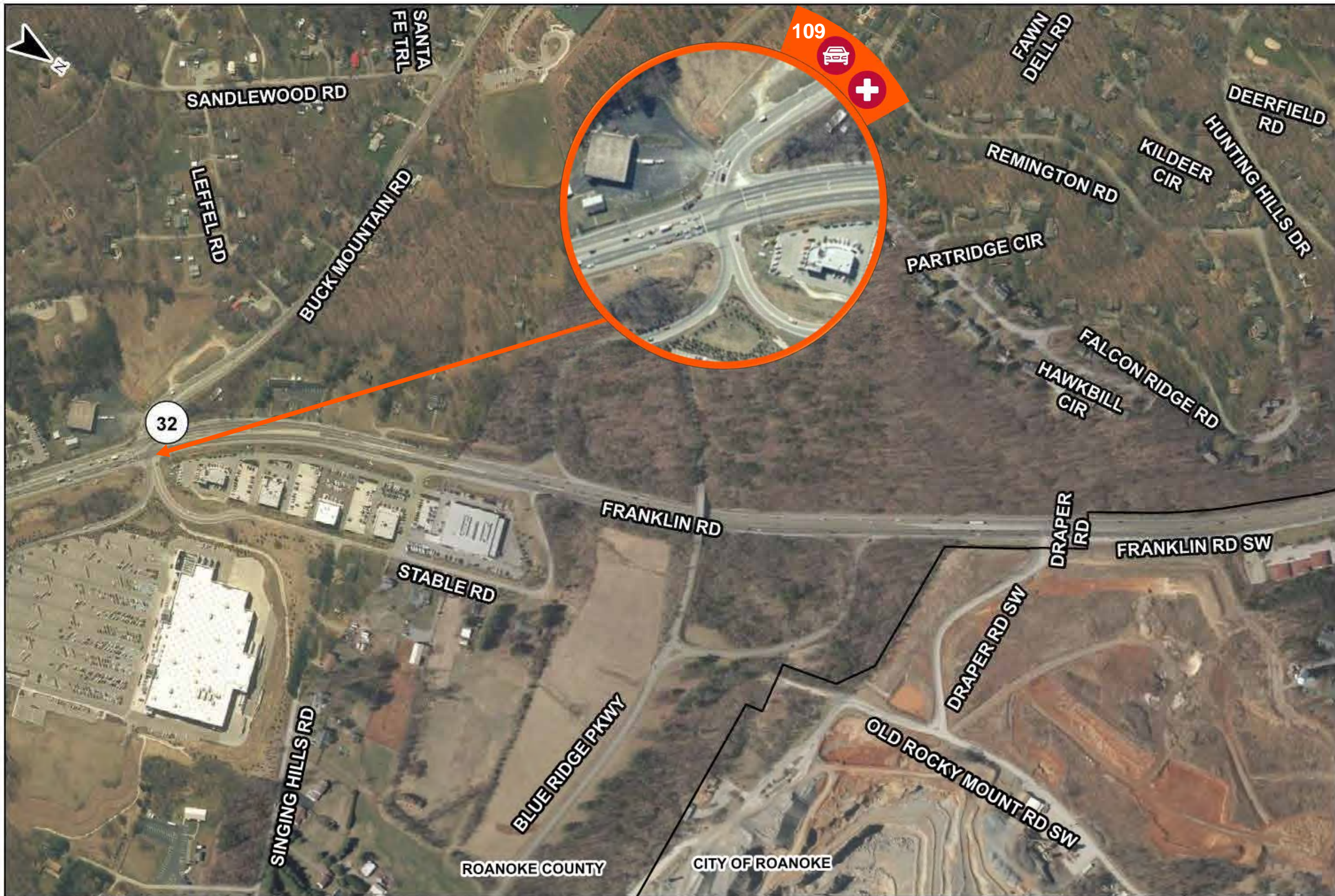
Recommendation: Through-Cut

Implementation: Short-Term (1-3 Years)

Route 220 at Buck Mountain Road/Stable Road

Recommendation: Through-Cut

Implementation: Short-Term (1-3 Years)



Roadway, Intersection, & Median Crossover Recommendations

109. Route 220 at Buck Mountain Road/Stable Road

- Remove westbound through left turn movements and signal phases

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs



LEGEND

- | | | | | | | | |
|---|-----------------------|--|-------------------|--|--------------------|--|--------|
| # | Intersection Number | | Geometry | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

US 220 Arterial Preservation Plan Figure 42 Roanoke County





Roadway, Intersection, & Median Crossover Recommendations

110. Route 220 at Pheasant Ridge Road SW/Crossbow Circle

- Remove eastbound and westbound through movements and signal phases

111. Route 220 at Southern Lane/Valley Avenue

- Remove eastbound and westbound through movements and signal phases

Roadway

- Flatten curvature along Route 220
- Install rumble strips
- Install guardrail
- Construct paved shoulders
- Improve sign consistency
- Increase sign conspicuity
- Install advanced curve warning signs

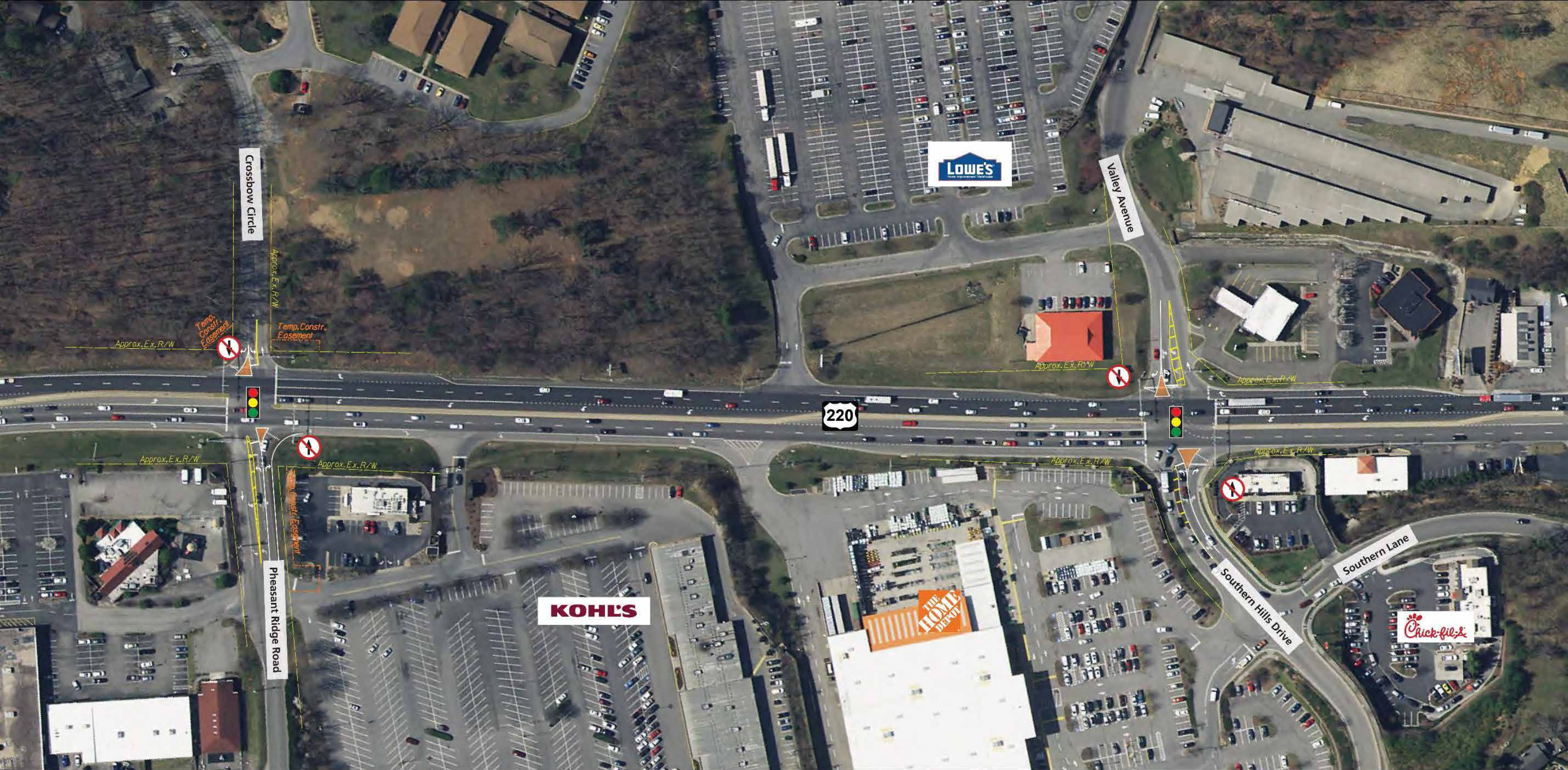


LEGEND

- | | | | | | | | |
|---|-----------------------|--|---------------------|--|--------------------|--|--------|
| # | Intersection Number | | Existing Deficiency | | Future Development | | Safety |
| # | Emerging Intersection | | Access Management | | Traffic Operations | | |

US 220 Arterial Preservation Plan Figure 43 Roanoke County





Route 220 at Southern Lane/Valley Avenue

Recommendation: Through-Cut

Implementation: Short-Term (1-3 Years)

Route 220 at Pheasant Ridge Road SW/Crossbow Circle

Recommendation: Through-Cut

Implementation: Short-Term (1-3 Years)