



Sheet 5 of 11

**Potential Impacts to Natural Resources:**

**I-81 Exit 128 to Exit 156**



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I-81 Exit 128 to Exit 156

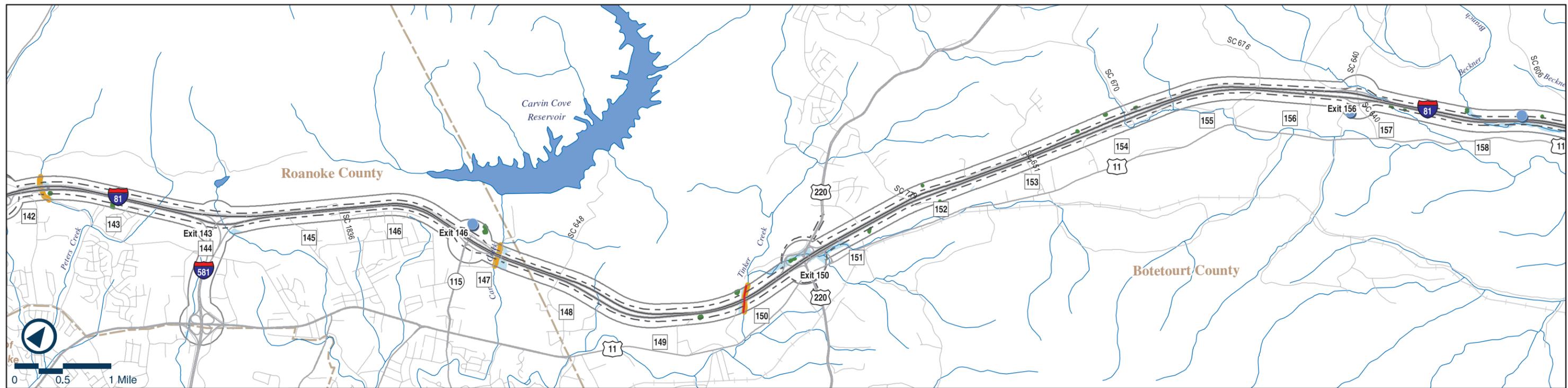
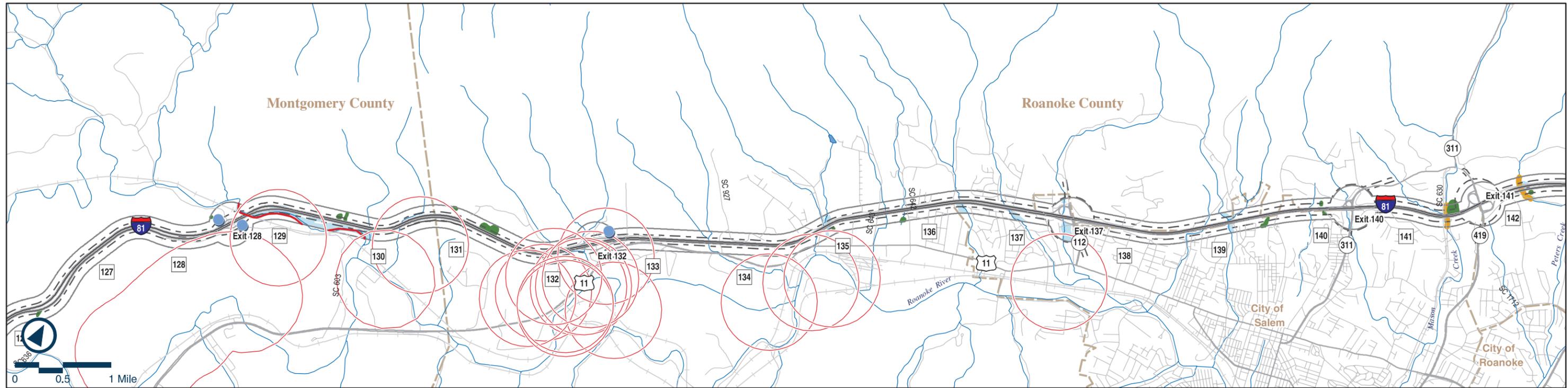
Resource	Minimum Width	Maximum Width	Add 2-Lanes	Add 8-Lanes
Wetlands (ac)	0.4	1.0	0.4	1.0
Streams (lf)	19,112	25,411	18,706	25,411
T/E Species	2	2	2	2
<b>100-Year Floodplain (ac)</b>				
Carvin Creek	13.8	16.7	13.8	16.7
Tinker Creek	13.3	16.7	13.3	16.7
N. Fork of the Roanoke River	8.6	19.2	7.5	19.2
<b>Drinking Water Facilities</b>				
Public Wells	1	1	1	1

Total potential impacts are for I-81 only. Rail corridor potential impacts are summarized in text.

Legend: (ac) = acres

(lf) = linear feet

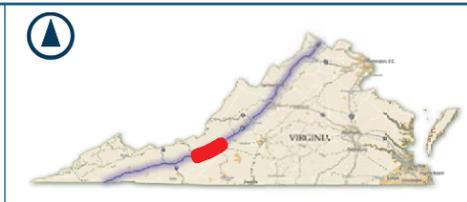
T/E = Threatened and Endangered



- # Milepost
- Red circle: General Locations of Threatened and Endangered Species
- Red line: Streams Containing Threatened and Endangered Aquatic Species
- Orange line: Impaired Streams
- Green area: Wetlands (Not to Scale)
- Blue area: 100-Year Floodplain
- Blue circle: Public Wells/Springs
- Blue square: Water Facilities
- Dashed line: Limits of Maximum Width Footprint
- Grey area: Study Area

**GIS Source:**

Threatened and Endangered Species	VA Department of Game & Inland Fisheries, 2004
Threatened Streams	VA Department of Game & Inland Fisheries, 2004
Impaired Streams	VA Department of Environmental Quality, 2003
100-year Floodplain	FEMA, 2002 and VHB, 2004
Public Wells/Springs	VA Department of Health, 2002
Water Facilities	VDOT, 2003
Wetlands	VHB, 2004



**Potential Impacts to Natural Resources**  
I-81 Study Area

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**I-81 CORRIDOR IMPROVEMENT STUDY**

Figure 5-8



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Potential Impacts to Natural Resources:

I-81 Exit 156 to Exit 188



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I-81 Exit 156 to Exit 188

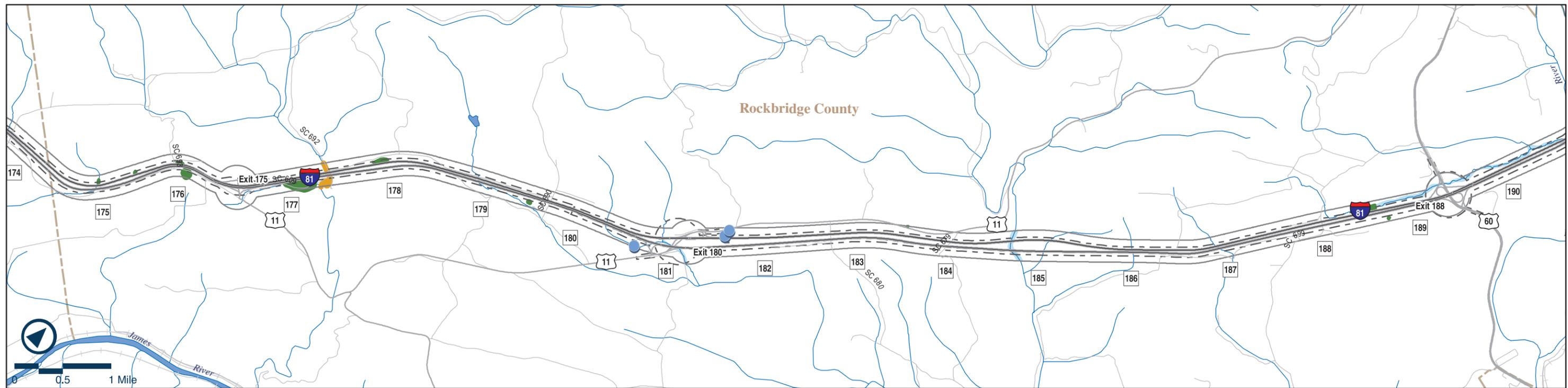
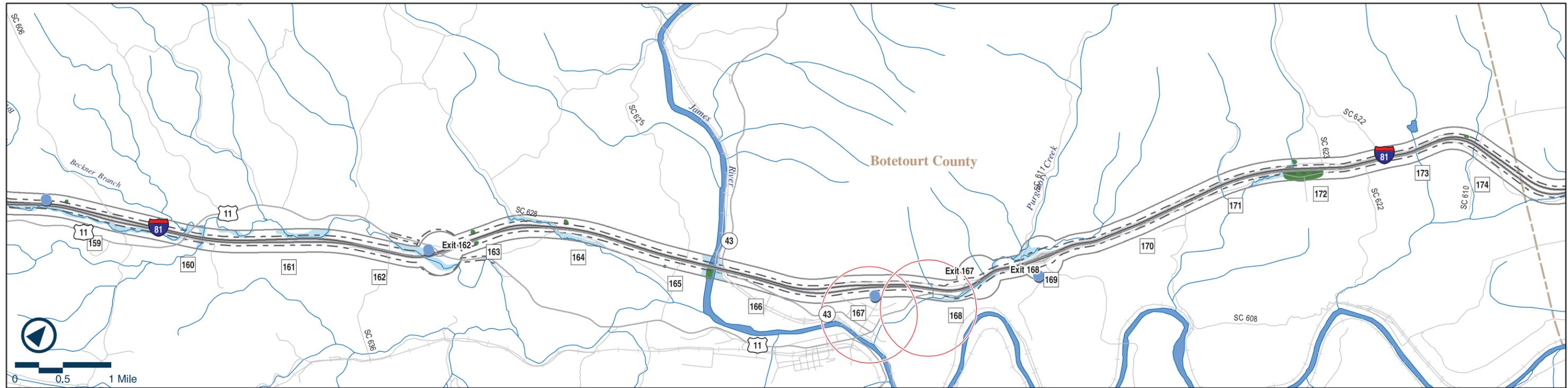
Resource	Minimum Width	Maximum Width	Add 2-Lanes	Add 8-Lanes
Wetlands (ac)	0.4	1.4	0.3	2.6
Streams (lf)	18,120	24,213	17,798	28,848
T/E Species	2	2	2	2
<b>100-Year Floodplain (ac)</b>				
Beckner Branch	33.6	47.2	32.6	54.3
James River and Purgatory Creek	18.5	20.2	18.5	28.6
<b>Drinking Water Facilities</b>				
Public Wells	4	4	4	5

Total potential impacts are for I-81 only. Rail corridor potential impacts are summarized in text.

Legend: (ac) = acres

(lf) = linear feet

T/E = Threatened and Endangered



- # Milepost
- General Locations of Threatened and Endangered Species
- Streams Containing Threatened and Endangered Aquatic Species
- Impaired Streams
- Wetlands (Not to Scale)
- 100-Year Floodplain
- Public Wells/Springs
- Water Facilities
- Limits of Maximum Width Footprint
- Study Area

**GIS Source:**

Threatened and Endangered Species	VA Department of Game & Inland Fisheries, 2004
Threatened Streams	VA Department of Game & Inland Fisheries, 2004
Impaired Streams	VA Department of Environmental Quality, 2003
100-year Floodplain	FEMA, 2002 and VHB, 2004
Public Wells/Springs	VA Department of Health, 2002
Water Facilities	VDOT, 2003
Wetlands	VHB, 2004



**Potential Impacts to Natural Resources**  
I-81 Study Area

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**I-81 CORRIDOR IMPROVEMENT STUDY**



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Potential Impacts to Natural Resources:

I-81 Exit 188 to Exit 220



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I-81 Exit 188 to Exit 220

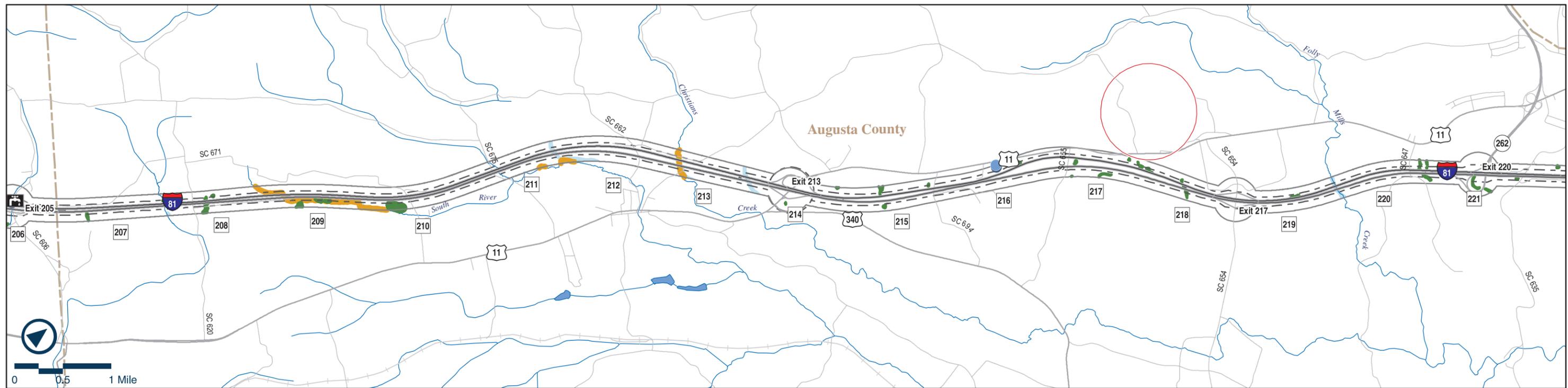
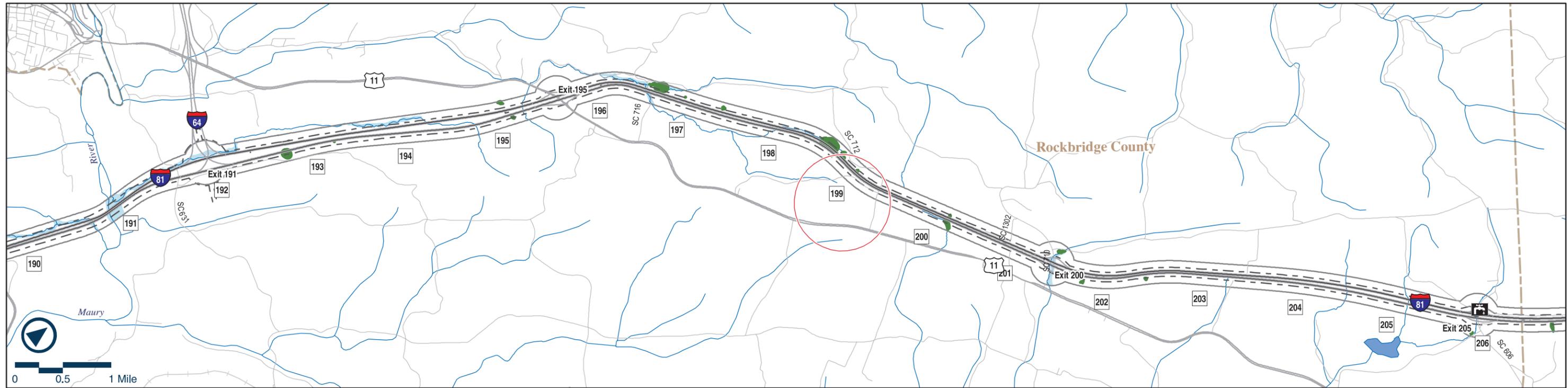
Resource	Minimum Width	Maximum Width	Add 2-Lanes	Add 8-Lanes
Wetlands (ac)	1.5	6.0	1.5	6.0
Streams (lf)	13,060	16,533	12,787	20,321
T/E Species	1	1	1	1
<b>100-Year Floodplain (ac)</b>				
Maury River	36.1	37.1	36.2	48.2
South River	11.8	15.2	10.9	15.2
<b>Drinking Water Facilities</b>				
Maury Service Authority Pump	1	1	1	1
Public Wells	1	1	1	1

Total potential impacts are for I-81 only. Rail corridor potential impacts are summarized in text.

Legend: (ac) = acres

(lf) = linear feet

T/E = Threatened and Endangered



- # Milepost
- General Locations of Threatened and Endangered Species
- Streams Containing Threatened and Endangered Aquatic Species
- Impaired Streams
- Wetlands (Not to Scale)
- 100-Year Floodplain
- Public Wells/Springs
- Water Facilities
- Limits of Maximum Width Footprint
- Study Area

**GIS Source:**

Threatened and Endangered Species .....	VA Department of Game & Inland Fisheries, 2004
Threatened Streams .....	VA Department of Game & Inland Fisheries, 2004
Impaired Streams .....	VA Department of Environmental Quality, 2003
100-year Floodplain .....	FEMA, 2002 and VHB, 2004
Public Wells/Springs .....	VA Department of Health, 2002
Water Facilities .....	VDOT, 2003
Wetlands .....	VHB, 2004



**Potential Impacts to Natural Resources**  
I-81 Study Area

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**I-81 CORRIDOR IMPROVEMENT STUDY**



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Potential Impacts to Natural Resources:

I-81 Exit 220 to Exit 251



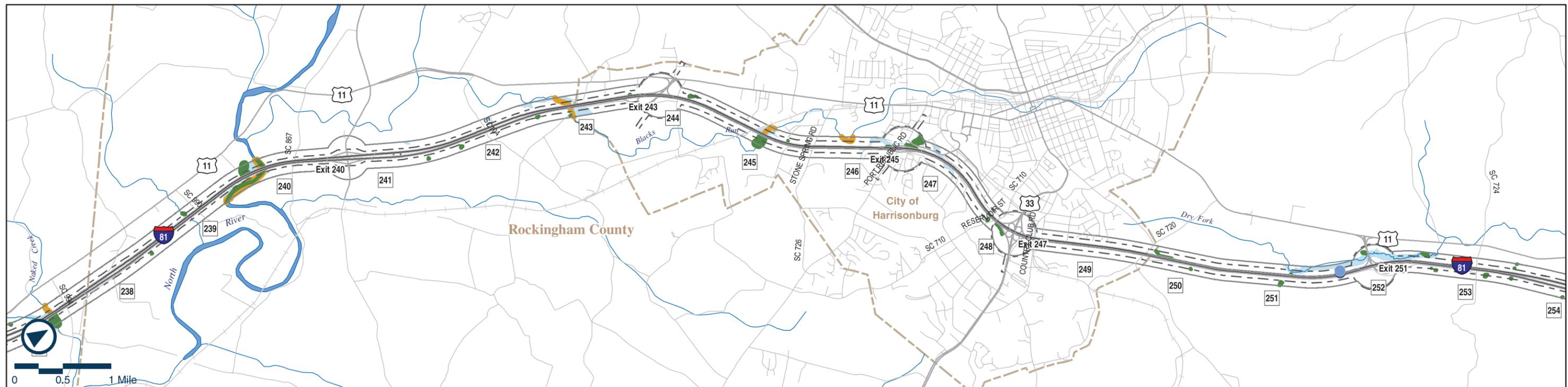
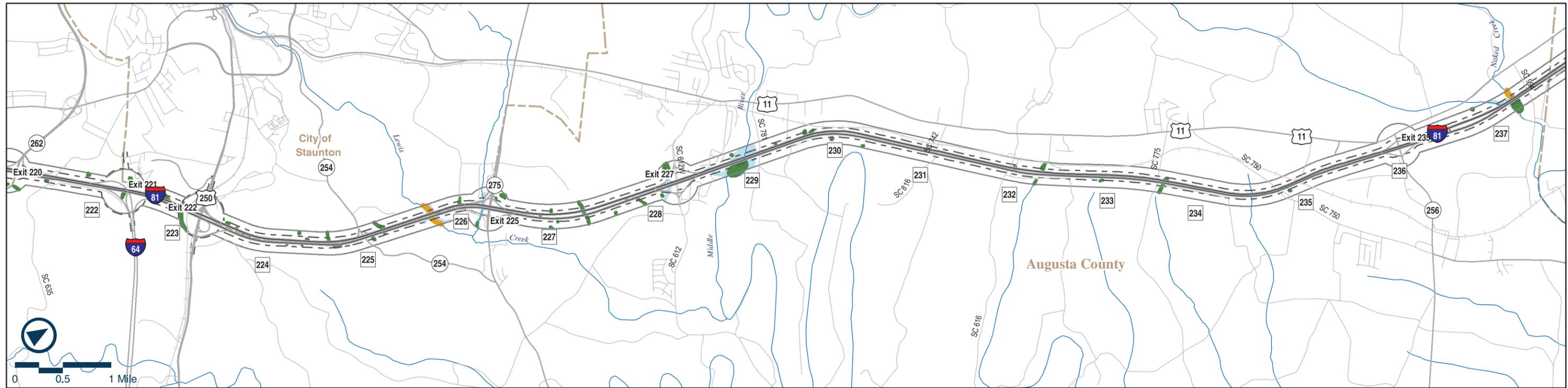
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I-81 Exit 220 to Exit 251

Resource	Minimum Width	Maximum Width	Add 2-Lanes	Add 8-Lanes
Wetlands (ac)	8.2	12.1	8.2	12.7
Streams (lf)	10,243	15,348	9,979	15,893
Trout Streams	1	1	1	1
<b>100-Year Floodplain (ac)</b>				
Lewis Creek	12.8	16.9	11.9	16.9
Middle River	11	24.6	10.9	24.6
Naked Creek and North River	7.9	18.1	6.8	18.1
Dry Fork	12.9	17.8	12.9	17.8
<b>Drinking Water Facilities</b>				
Public Wells	1	1	1	1

Total potential impacts are for I-81 only. Rail corridor potential impacts are summarized in text.

Legend: (ac) = acres  
(lf) = linear feet



- # Milepost
- General Locations of Threatened and Endangered Species
- Streams Containing Threatened and Endangered Aquatic Species
- Impaired Streams
- Wetlands (Not to Scale)
- 100-Year Floodplain
- Public Wells/Springs
- Water Facilities
- Limits of Maximum Width Footprint
- Study Area

**GIS Source:**

Threatened and Endangered Species	VA Department of Game & Inland Fisheries, 2004
Threatened Streams	VA Department of Game & Inland Fisheries, 2004
Impaired Streams	VA Department of Environmental Quality, 2003
100-year Floodplain	FEMA, 2002 and VHB, 2004
Public Wells/Springs	VA Department of Health, 2002
Water Facilities	VDOT, 2003
Wetlands	VHB, 2004



## Potential Impacts to Natural Resources

I-81 Study Area

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