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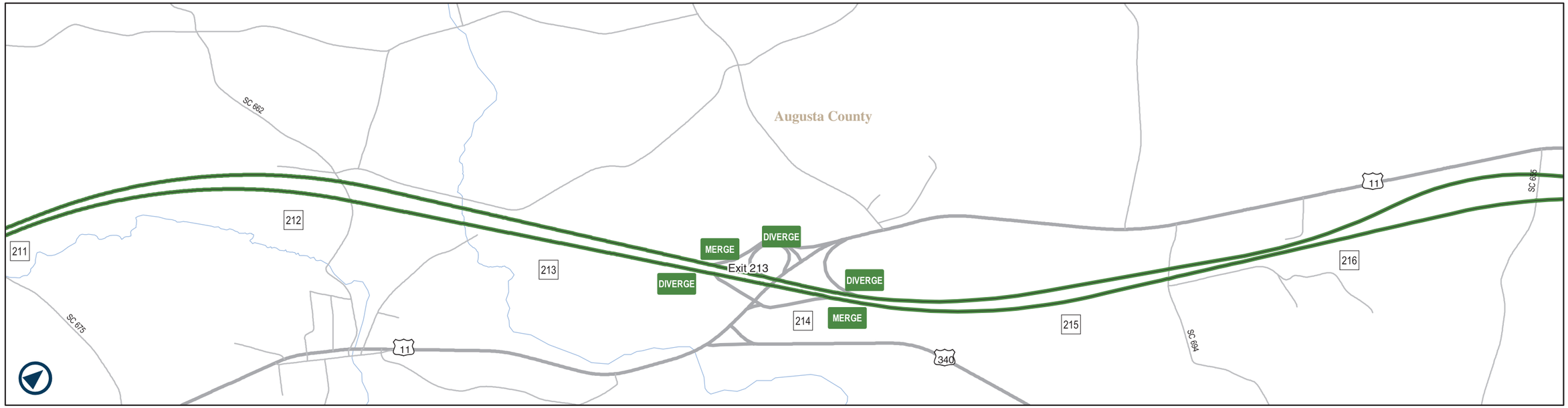
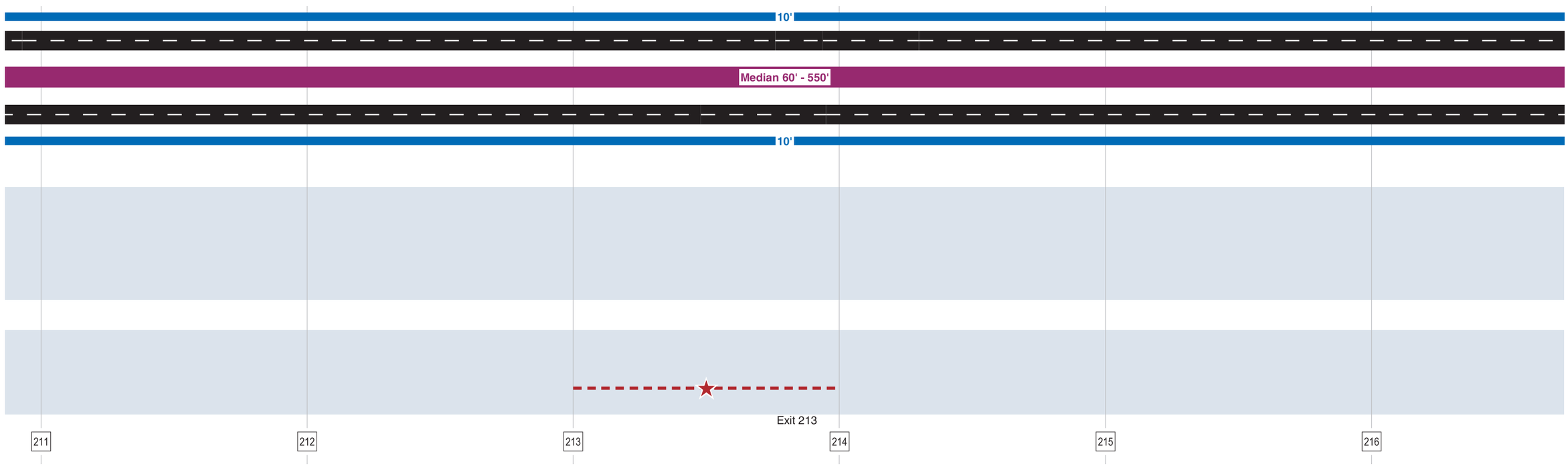


Traffic Operations



#	Milepost

Ramp LOS

Ramp	MERGE	A/B
Ramp	MERGE	C Urban
Ramp	MERGE	C Rural
Ramp	MERGE	D
Ramp	MERGE	E/F

Mainline LOS

- A/B
- C Urban
- C Rural
- D
- E/F

Cross-section

- SB Shoulder
- SB Roadway
- Median
- NB Roadway
- NB Shoulder

Vertical Deficiencies*

- Grade Exceeds Standard
- Insufficient Sight Distance
- Substandard Vertical Curve
- Substandard Vertical Clearance

Horizontal Deficiencies*

- Segment
- Location

See Table 3-4 for Interchange Deficiencies

Safety Deficiencies (2000-2002)

- Fatal Crash
- High Crash Segment

*Source: I-81 Concept Studies

Existing Corridor Conditions

Sheet 38 of 57

0 1,000 2,000 Feet

Figure 3-5

I-81 CORRIDOR IMPROVEMENT STUDY

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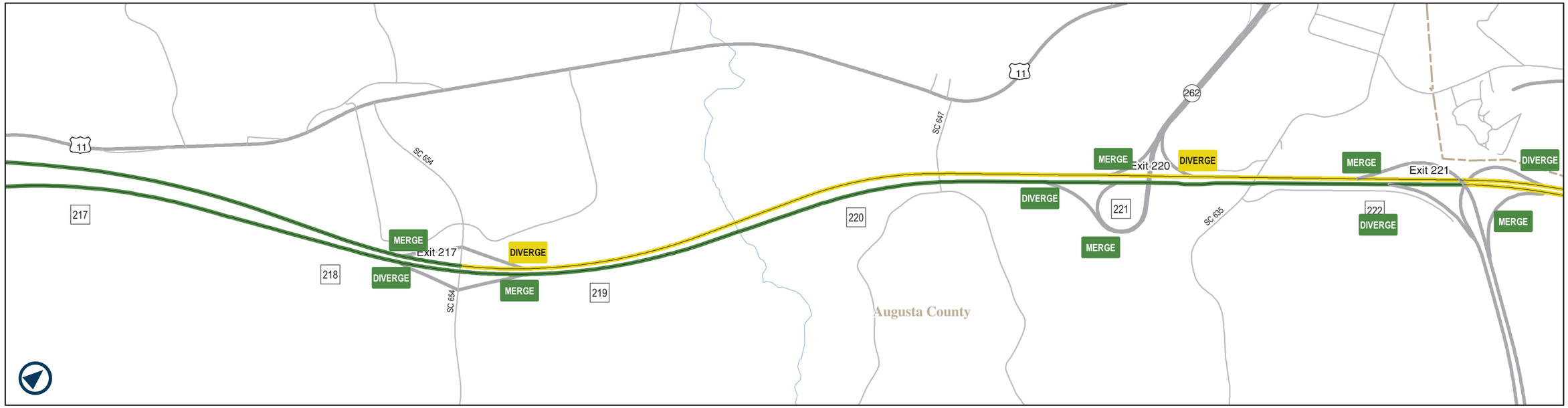

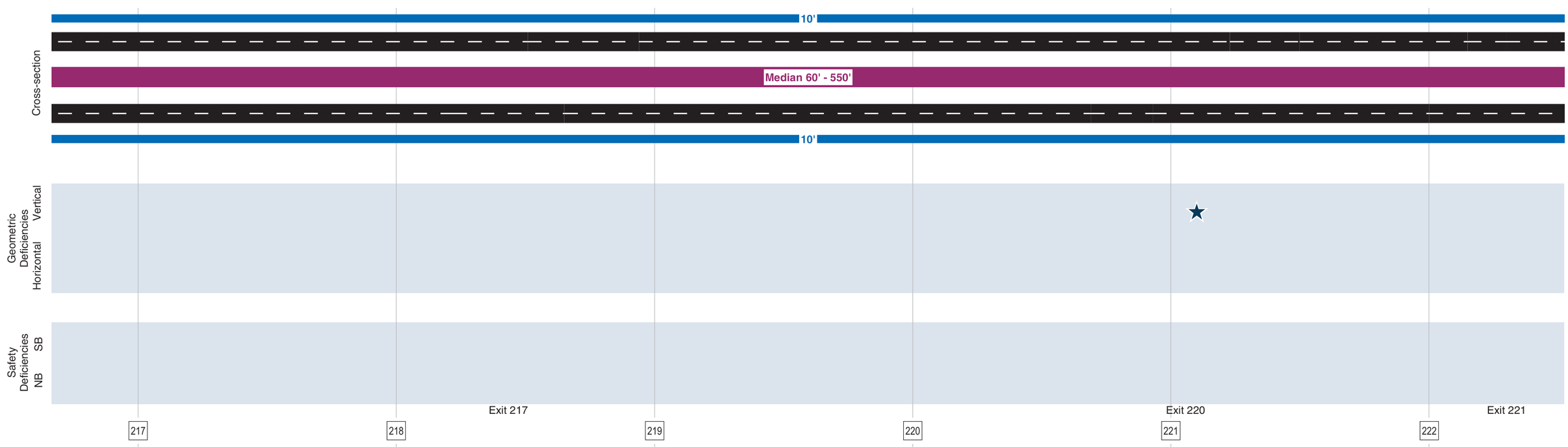

Milepost

Ramp LOS
- Ramp MERGE A/B
- Ramp MERGE C Urban
- Ramp MERGE C Rural
- Ramp MERGE D
- Ramp MERGE E/F

Mainline LOS
- A/B
- C Urban
- C Rural
- D
- E/F

Cross-section
- SB Shoulder
- SB Roadway
- Median
- NB Roadway
- NB Shoulder

Vertical Deficiencies*
- Grade Exceeds Standard
- Insufficient Sight Distance
- Substandard Vertical Curve
- Substandard Vertical Clearance

Horizontal Deficiencies*
- Segment
- Location

See Table 3-4 for Interchange Deficiencies

Safety Deficiencies (2000-2002)
- Fatal Crash
- High Crash Segment

*Source: I-81 Concept Studies

Existing Corridor Conditions

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0 1,000 2,000 Feet

Figure 3-5

I-81 CORRIDOR IMPROVEMENT STUDY

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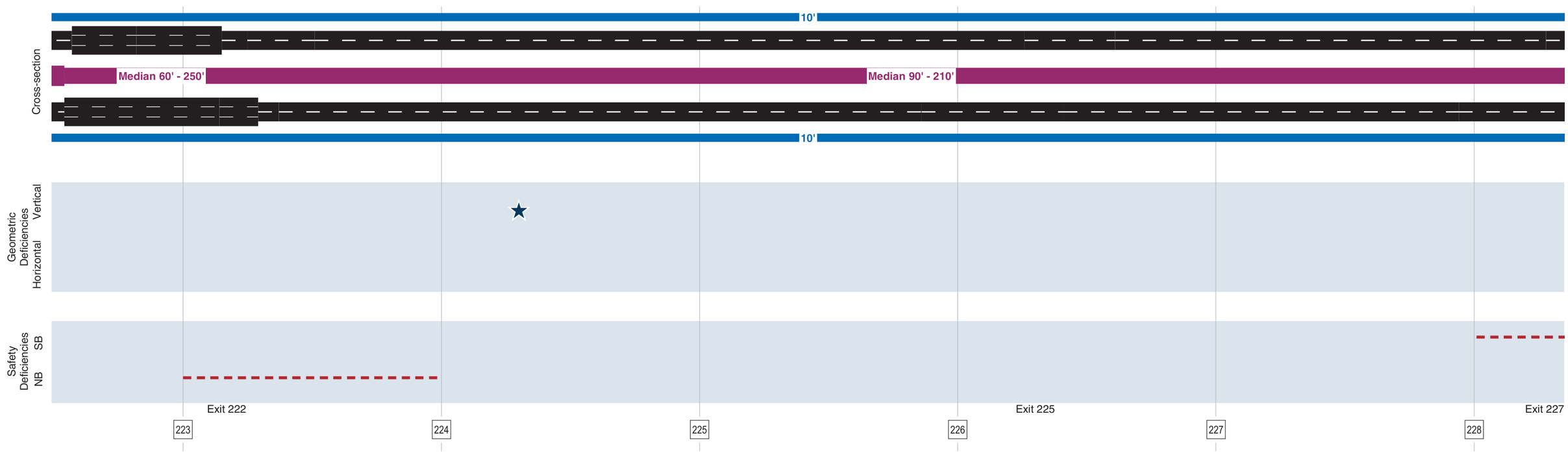

Milepost

Ramp LOS

- Ramp MERGE A/B
- Ramp MERGE C Urban
- Ramp MERGE C Rural
- Ramp MERGE D
- Ramp MERGE E/F

Mainline LOS

- A/B
- C Urban
- C Rural
- D
- E/F

Cross-section

- SB Shoulder
- SB Roadway
- Median
- NB Roadway
- NB Shoulder

Vertical Deficiencies*

- Grade Exceeds Standard
- Insufficient Sight Distance
- Substandard Vertical Curve
- Substandard Vertical Clearance

*Source: I-81 Concept Studies

Horizontal Deficiencies*

- Segment
- Location

See Table 3-4 for Interchange Deficiencies

Safety Deficiencies (2000-2002)

- Fatal Crash
- High Crash Segment

Existing Corridor Conditions

Sheet 40 of 57

0 1,000 2,000 Feet

Figure 3-5

I-81 CORRIDOR IMPROVEMENT STUDY

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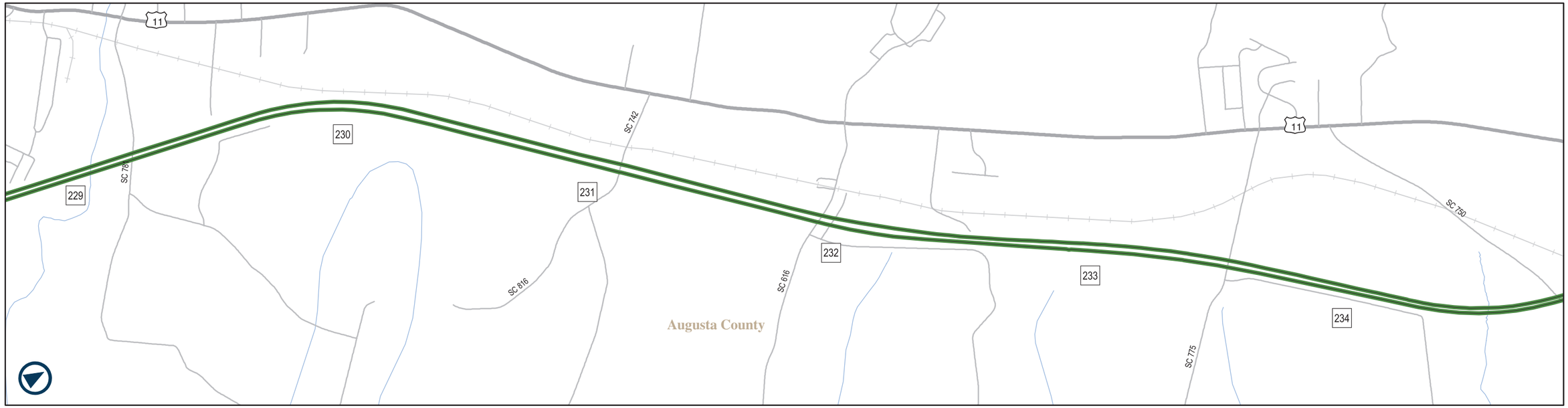

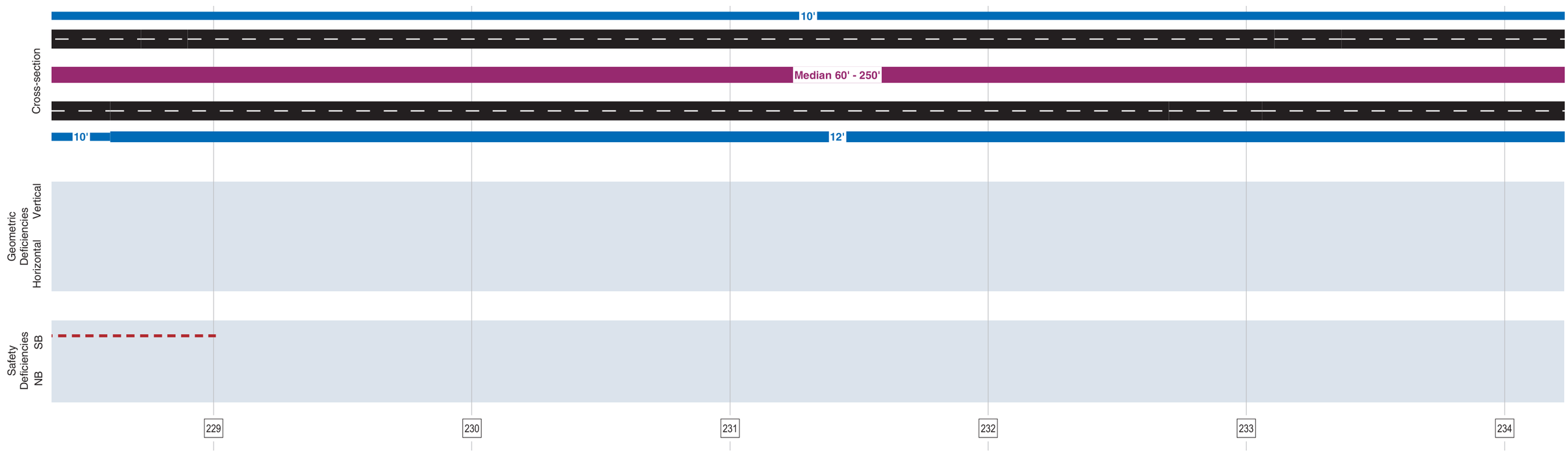

# Milepost	**Ramp LOS**	**Mainline LOS**	**Cross-section**	**Vertical Deficiencies***	**Horizontal Deficiencies***	**Safety Deficiencies (2000-2002)**
	Ramp MERGE A/B	A/B	SB Shoulder	Grade Exceeds Standard	Segment	Fatal Crash
	Ramp MERGE C Urban	C Urban	SB Roadway	Insufficient Sight Distance	Location	High Crash Segment
	Ramp MERGE C Rural	C Rural	Median	Substandard Vertical Curve	See Table 3-4 for Interchange Deficiencies	
	Ramp MERGE D	D	NB Roadway	Substandard Vertical Clearance		
	Ramp MERGE E/F	E/F	NB Shoulder			

*Source: I-81 Concept Studies

Existing Corridor Conditions

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0 1,000 2,000 Feet

Figure 3-5

I-81 CORRIDOR IMPROVEMENT STUDY

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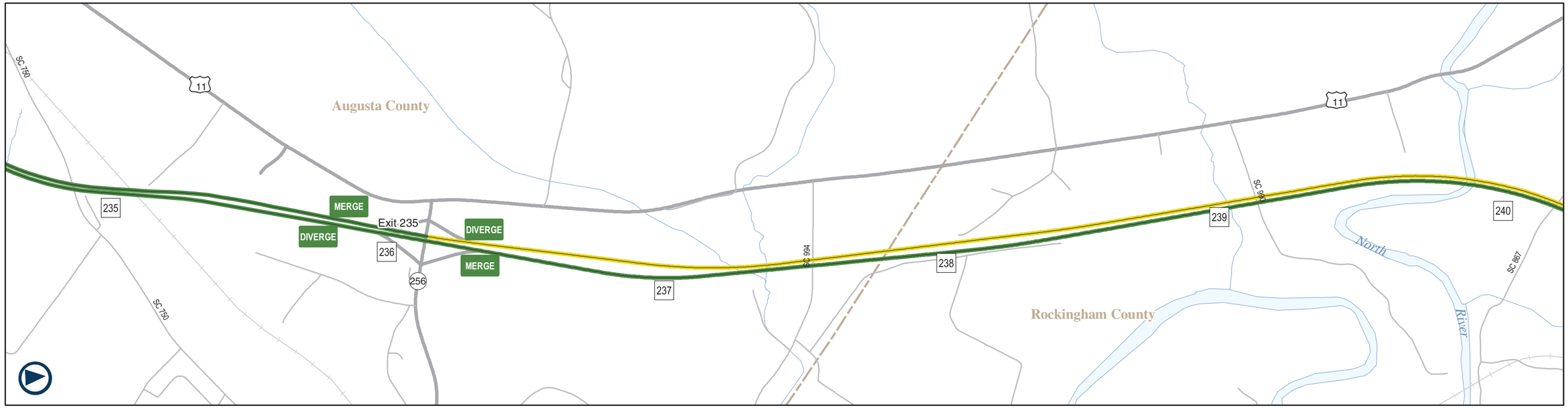
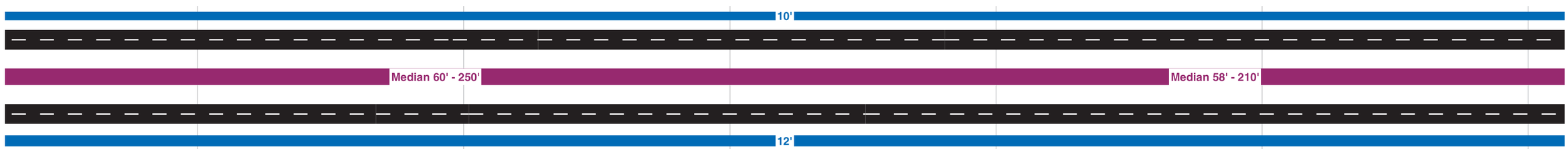
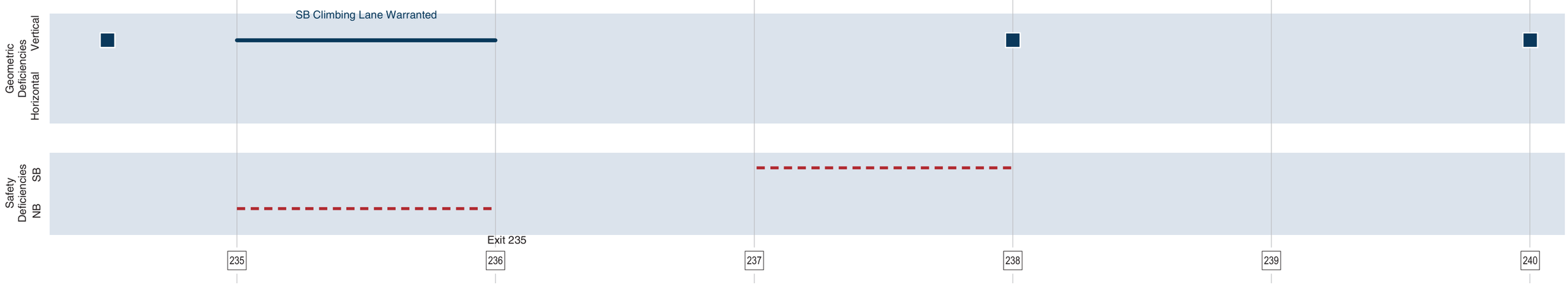


Traffic Operations



Cross-section



Milepost

Ramp LOS

- Ramp MERGE A/B
- Ramp MERGE C Urban
- Ramp MERGE C Rural
- Ramp MERGE D
- Ramp MERGE E/F

Mainline LOS

- A/B
- C Urban
- C Rural
- D
- E/F

Cross-section

- SB Shoulder
- SB Roadway
- Median
- NB Roadway
- NB Shoulder

Vertical Deficiencies*

- Grade Exceeds Standard
- Insufficient Sight Distance
- Substandard Vertical Curve
- Substandard Vertical Clearance

Horizontal Deficiencies*

- Segment
- Location

See Table 3-4 for Interchange Deficiencies

Safety Deficiencies (2000-2002)

- Fatal Crash
- High Crash Segment

*Source: I-81 Concept Studies

Existing Corridor Conditions

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0 1,000 2,000 Feet

Figure 3-5

I-81 CORRIDOR IMPROVEMENT STUDY

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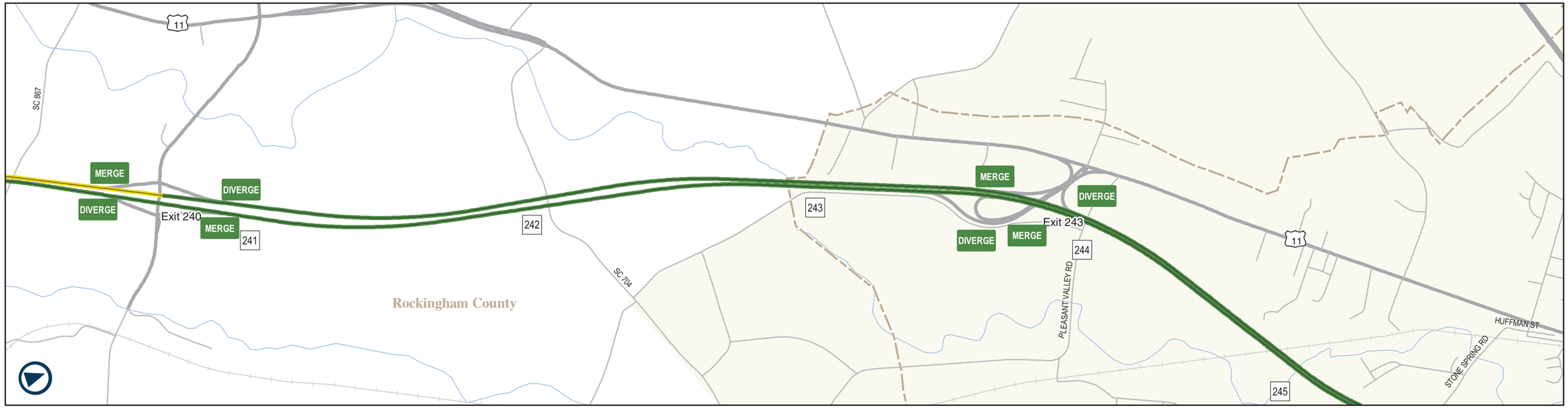

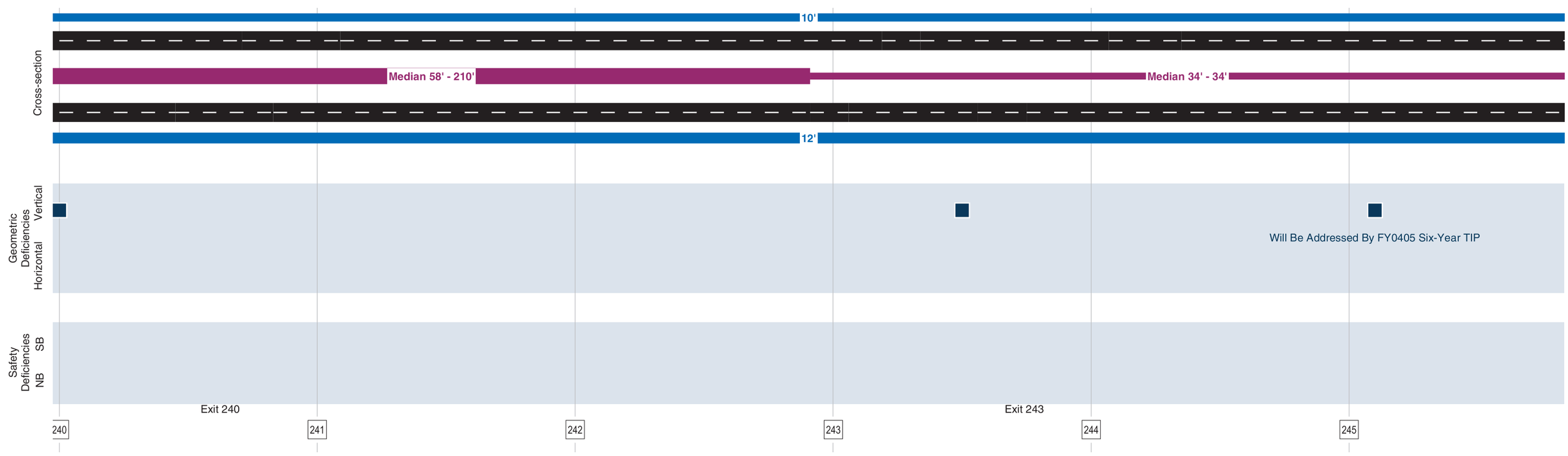

Milepost

Ramp LOS
- Ramp MERGE A/B
- Ramp MERGE C Urban
- Ramp MERGE C Rural
- Ramp MERGE D
- Ramp MERGE E/F

Mainline LOS
- A/B
- C Urban
- C Rural
- D
- E/F

Cross-section
- SB Shoulder
- SB Roadway
- Median
- NB Roadway
- NB Shoulder

Vertical Deficiencies*
- Grade Exceeds Standard
- Insufficient Sight Distance
- Substandard Vertical Curve
- Substandard Vertical Clearance

Horizontal Deficiencies*
- Segment
- Location

See Table 3-4 for Interchange Deficiencies

Safety Deficiencies (2000-2002)
- Fatal Crash
- High Crash Segment

*Source: I-81 Concept Studies

Existing Corridor Conditions

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0 1,000 2,000 Feet

Figure 3-5

I-81 CORRIDOR IMPROVEMENT STUDY

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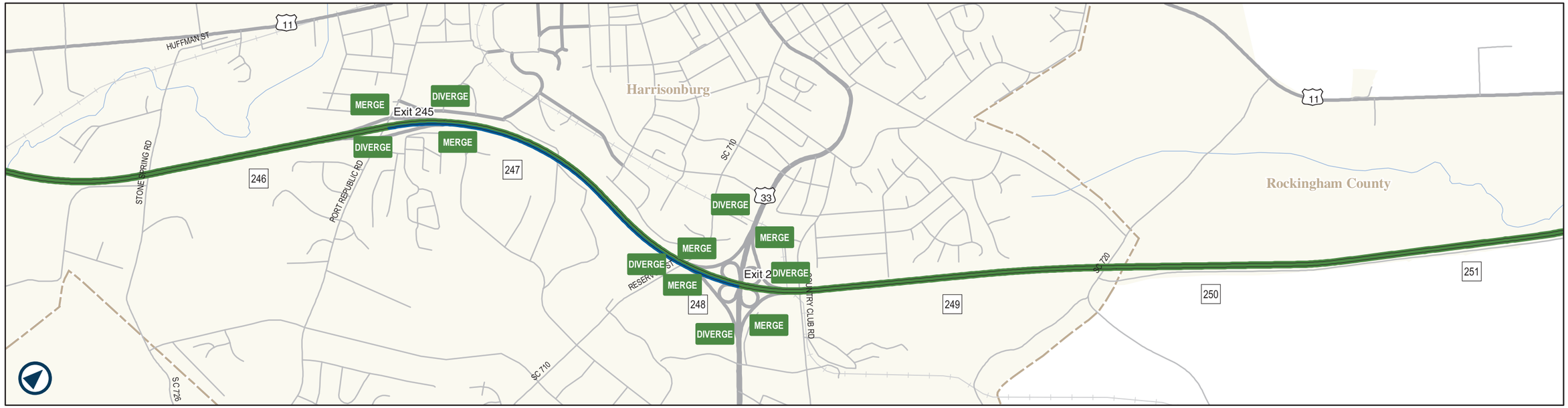

Traffic Operations

Cross-section

10'

WEAVE

Median 34' - 34'

WEAVE

12'

Geometric Deficiencies

Vertical

Horizontal

Safety Deficiencies

SB

NB

Exit 245

Exit 247

246 247 248 249 250 251

Milepost

Ramp LOS

- Ramp MERGE A/B
- Ramp MERGE C Urban
- Ramp MERGE C Rural
- Ramp MERGE D
- Ramp MERGE E/F

Mainline LOS

- A/B
- C Urban
- C Rural
- D
- E/F

Cross-section

- SB Shoulder
- SB Roadway
- Median
- NB Roadway
- NB Shoulder

Vertical Deficiencies*

- Grade Exceeds Standard
- Insufficient Sight Distance
- Substandard Vertical Curve
- Substandard Vertical Clearance

Horizontal Deficiencies*

- Segment
- Location

See Table 3-4 for Interchange Deficiencies

Safety Deficiencies (2000-2002)

- Fatal Crash
- High Crash Segment

*Source: I-81 Concept Studies

Existing Corridor Conditions

Sheet 44 of 57

0 1,000 2,000 Feet

Figure 3-5

I-81 CORRIDOR IMPROVEMENT STUDY

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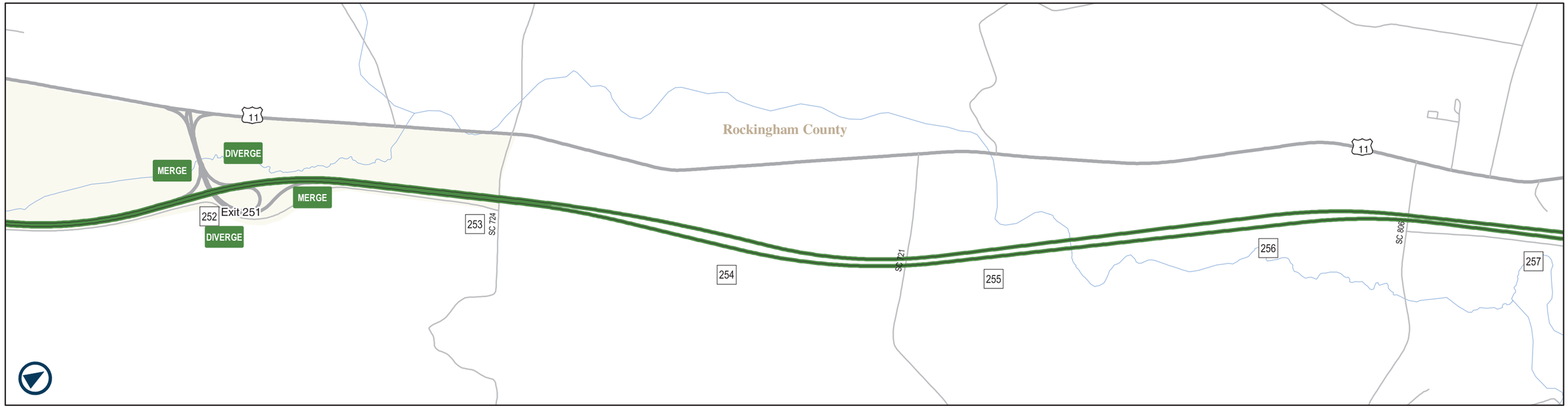

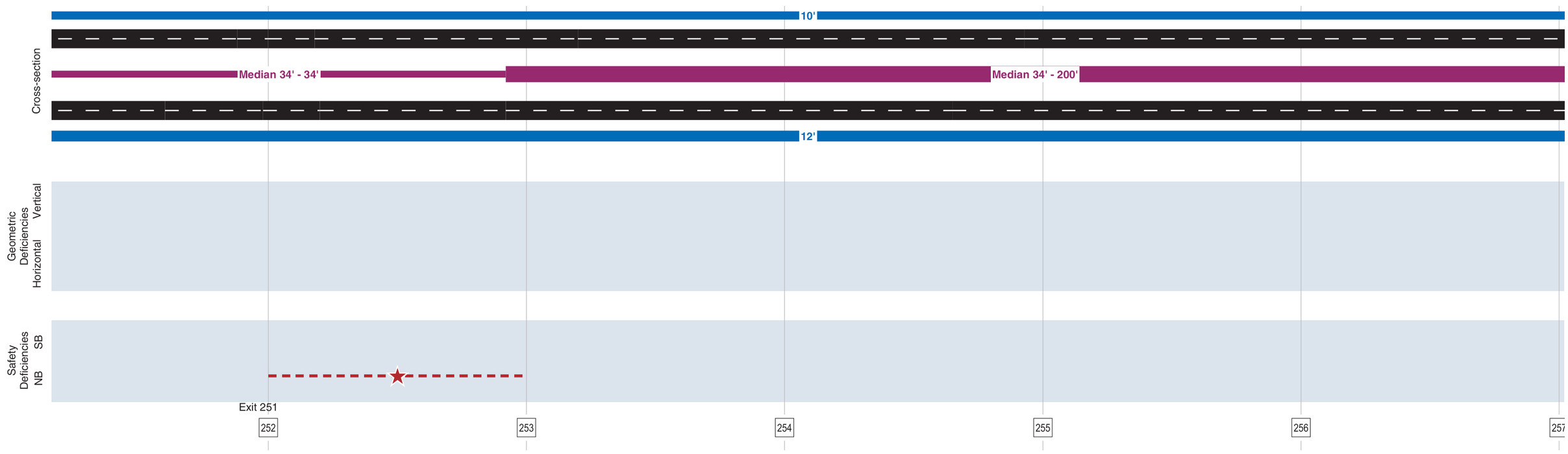

Milepost

Ramp LOS
- Ramp MERGE A/B
- Ramp MERGE C Urban
- Ramp MERGE C Rural
- Ramp MERGE D
- Ramp MERGE E/F

Mainline LOS
- A/B
- C Urban
- C Rural
- D
- E/F

Cross-section
- SB Shoulder
- SB Roadway
- Median
- NB Roadway
- NB Shoulder

Vertical Deficiencies*
- Grade Exceeds Standard
- Insufficient Sight Distance
- Substandard Vertical Curve
- Substandard Vertical Clearance

Horizontal Deficiencies*
- Segment
- Location

See Table 3-4 for Interchange Deficiencies

Safety Deficiencies (2000-2002)
- Fatal Crash
- High Crash Segment

*Source: I-81 Concept Studies

Existing Corridor Conditions

Sheet 45 of 57

0 1,000 2,000 Feet

Figure 3-5

I-81 CORRIDOR IMPROVEMENT STUDY

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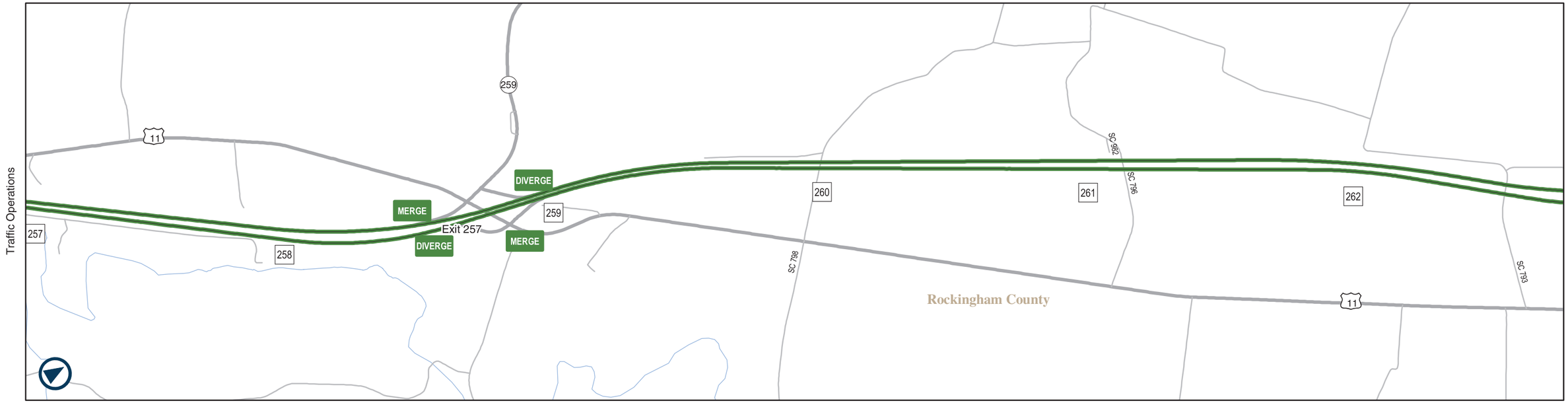

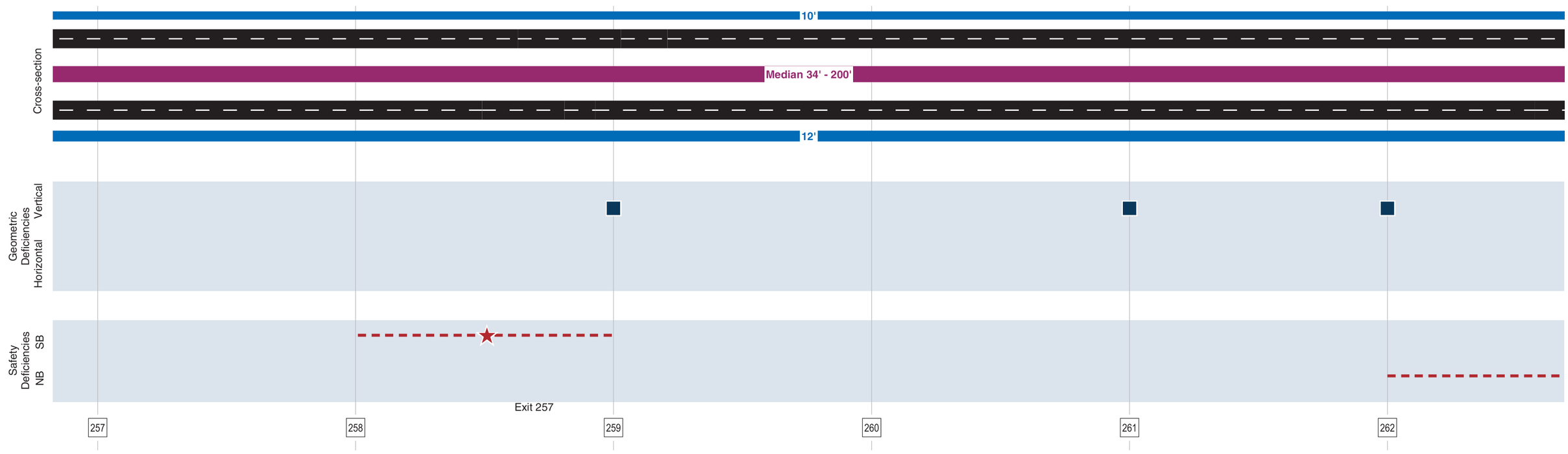

#	Milepost

Ramp LOS

Ramp	MERGE	A/B
Ramp	MERGE	C Urban
Ramp	MERGE	C Rural
Ramp	MERGE	D
Ramp	MERGE	E/F

Mainline LOS

- A/B
- C Urban
- C Rural
- D
- E/F

Cross-section

- SB Shoulder
- SB Roadway
- Median
- NB Roadway
- NB Shoulder

Vertical Deficiencies*

- Grade Exceeds Standard
- Insufficient Sight Distance
- Substandard Vertical Curve
- Substandard Vertical Clearance

Horizontal Deficiencies*

- Segment
- Location

See Table 3-4 for Interchange Deficiencies

Safety Deficiencies (2000-2002)

- Fatal Crash
- High Crash Segment

*Source: I-81 Concept Studies

Existing Corridor Conditions

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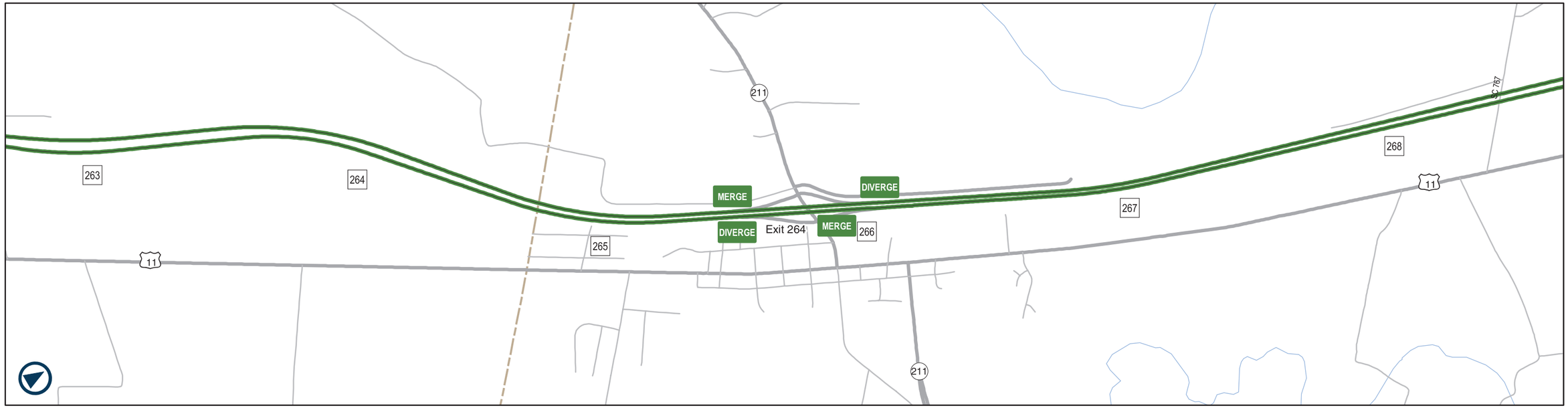
0 1,000 2,000 Feet

Figure 3-5

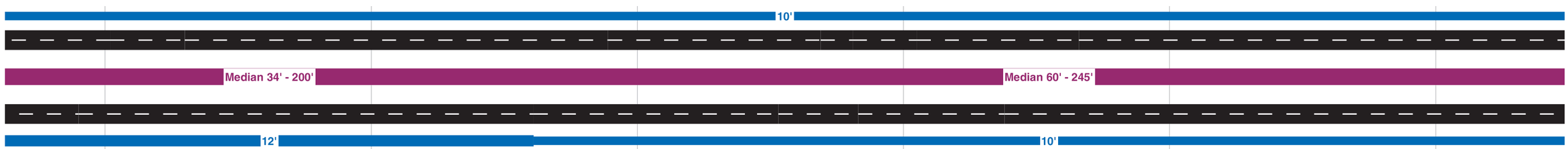
I-81 CORRIDOR IMPROVEMENT STUDY

\\Mawald\checkin\31698\GIS\project\I81-2000-existing-final-mod.mxd

Traffic Operations

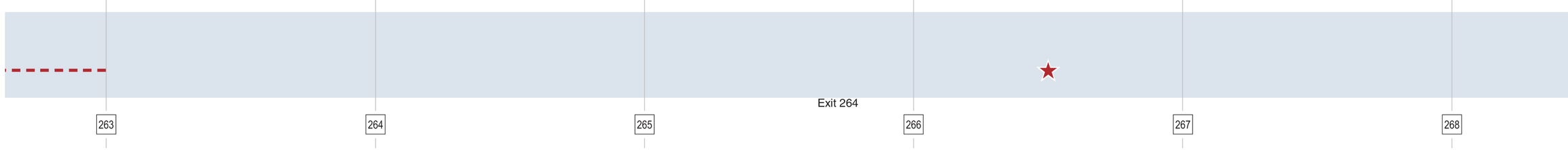


Cross-section



Geometric Deficiencies
Vertical
Horizontal

Safety Deficiencies
SB
NB



Milepost

Ramp LOS

Ramp	MERGE	A/B
Ramp	MERGE	C Urban
Ramp	MERGE	C Rural
Ramp	MERGE	D
Ramp	MERGE	E/F

Mainline LOS

- A/B
- C Urban
- C Rural
- D
- E/F

Cross-section

- SB Shoulder
- SB Roadway
- Median
- NB Roadway
- NB Shoulder

Vertical Deficiencies*

- Grade Exceeds Standard
- Insufficient Sight Distance
- Substandard Vertical Curve
- Substandard Vertical Clearance

Horizontal Deficiencies*

- Segment
- Location

See Table 3-4 for Interchange Deficiencies

Safety Deficiencies (2000-2002)

- Fatal Crash
- High Crash Segment

*Source: I-81 Concept Studies

Existing Corridor Conditions

Sheet 47 of 57

0 1,000 2,000 Feet

Figure 3-5

I-81 CORRIDOR IMPROVEMENT STUDY

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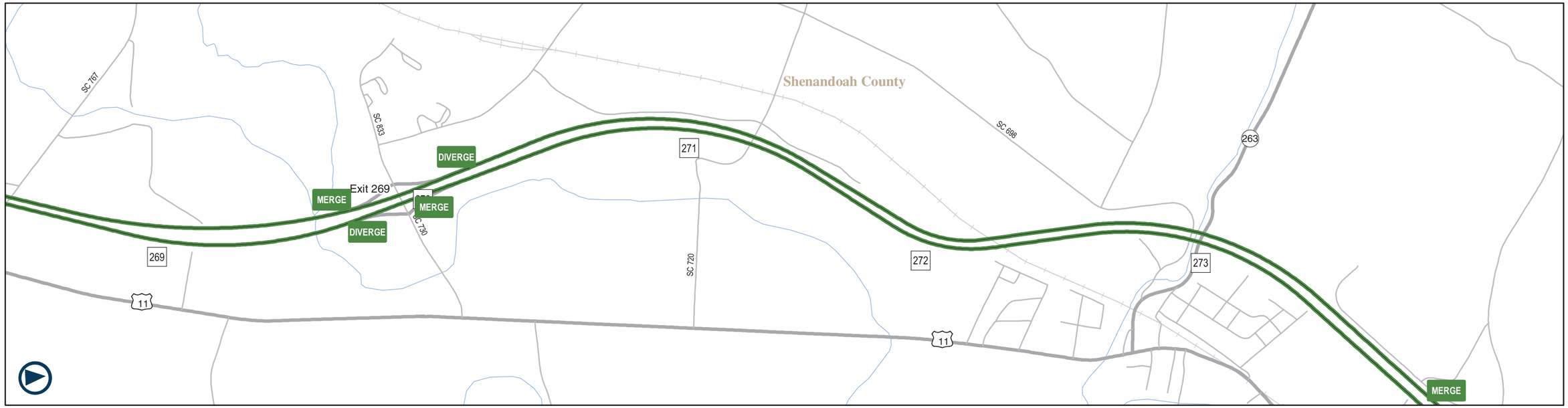
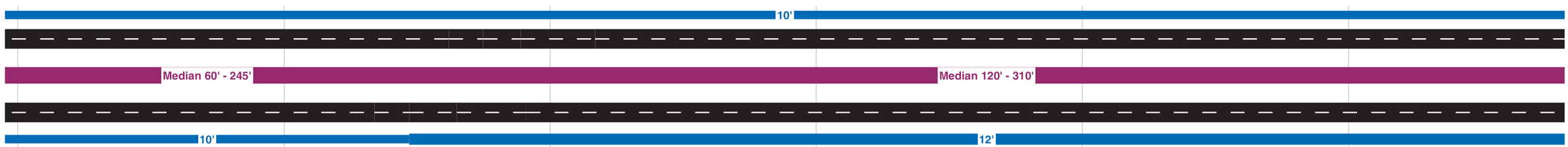


Traffic Operations

Cross-section



Geometric Deficiencies

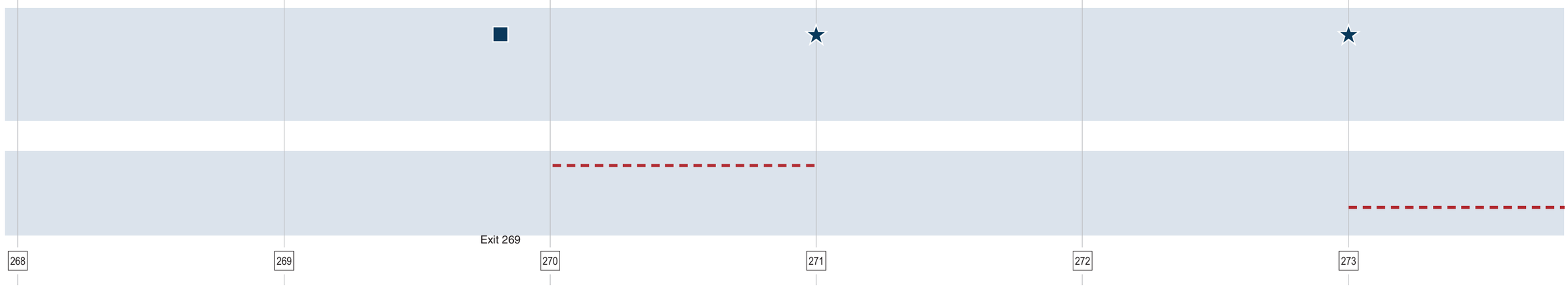
Vertical

Horizontal

Safety Deficiencies

SB

NB



Milepost

Ramp LOS

- Ramp MERGE A/B
- Ramp MERGE C Urban
- Ramp MERGE C Rural
- Ramp MERGE D
- Ramp MERGE E/F

Mainline LOS

- A/B
- C Urban
- C Rural
- D
- E/F

Cross-section

- SB Shoulder
- SB Roadway
- Median
- NB Roadway
- NB Shoulder

Vertical Deficiencies*

- Grade Exceeds Standard
- Insufficient Sight Distance
- Substandard Vertical Curve
- Substandard Vertical Clearance

Horizontal Deficiencies*

- Segment
- Location

See Table 3-4 for Interchange Deficiencies

Safety Deficiencies (2000-2002)

- Fatal Crash
- High Crash Segment

*Source: I-81 Concept Studies

Existing Corridor Conditions

Sheet 48 of 57

0 1,000 2,000 Feet

Figure 3-5

I-81 CORRIDOR IMPROVEMENT STUDY

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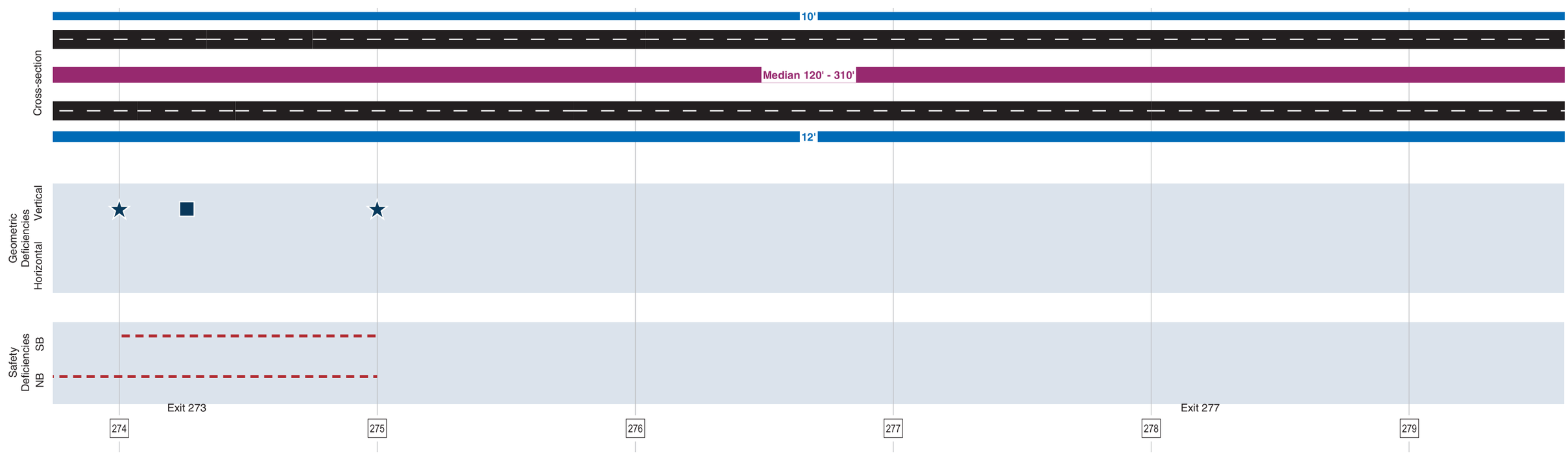

#	Milepost

Ramp LOS

Ramp	MERGE	A/B
Ramp	MERGE	C Urban
Ramp	MERGE	C Rural
Ramp	MERGE	D
Ramp	MERGE	E/F

Mainline LOS

- A/B
- C Urban
- C Rural
- D
- E/F

Cross-section

- SB Shoulder
- SB Roadway
- Median
- NB Roadway
- NB Shoulder

Vertical Deficiencies*

- Grade Exceeds Standard
- Insufficient Sight Distance
- Substandard Vertical Curve
- Substandard Vertical Clearance

Horizontal Deficiencies*

- Segment
- Location

See Table 3-4 for Interchange Deficiencies

Safety Deficiencies (2000-2002)

- Fatal Crash
- High Crash Segment

*Source: I-81 Concept Studies

Existing Corridor Conditions

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0 1,000 2,000 Feet

Figure 3-5

I-81 CORRIDOR IMPROVEMENT STUDY