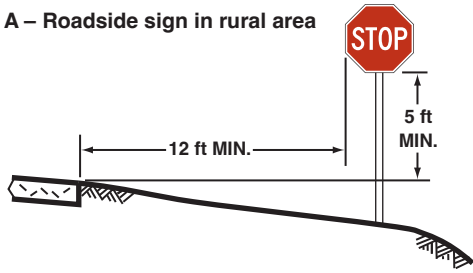
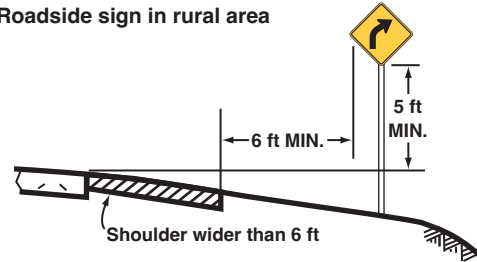


Figure 2A-2(VA). Examples of Heights and Lateral Locations of Sign Installations

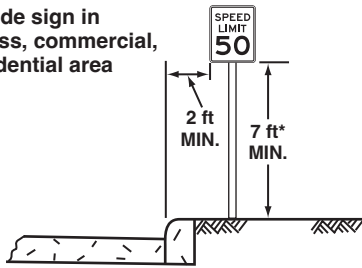
A – Roadside sign in rural area



B – Roadside sign in rural area

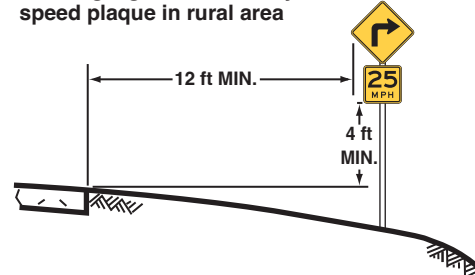


C – Roadside sign in business, commercial, or residential area

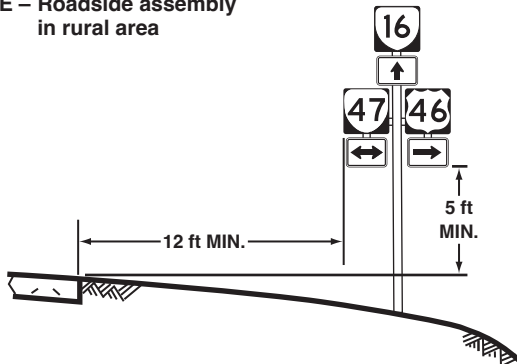


*Where parking or pedestrian movements are likely to occur

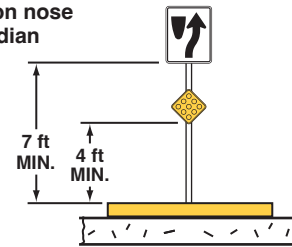
D – Warning sign with advisory speed plaque in rural area



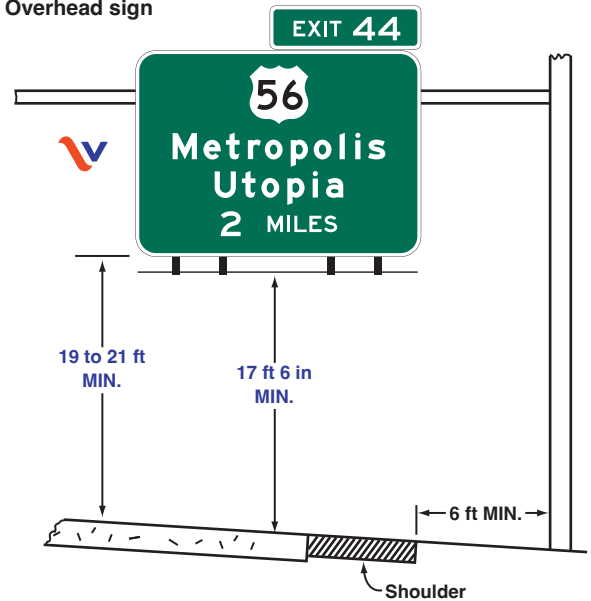
E – Roadside assembly in rural area



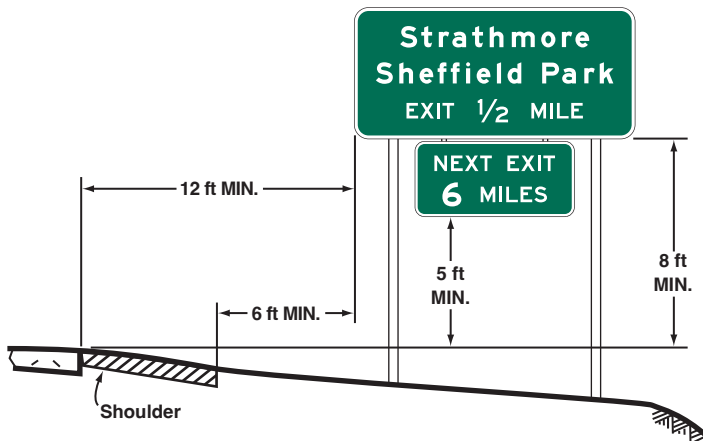
F – Sign on nose of median



H – Overhead sign



G – Freeway or expressway sign with secondary sign



Note: See Section 2A.16 for reduced lateral offset distances that may be used in areas where lateral offsets are limited, and in business, commercial, or residential areas where sidewalk width is limited or where existing poles are close to the curb.



Luminaire assemblies or other hardware mounted below the sign panel should have a vertical clearance of no less than 17 feet 6 inches from the bottom of the hardware to the crown of the roadway. (See Section 2A.18)

19 to 21 feet of vertical clearance to bottom of lowest mounted sign panel should be provided. (See section 2A.18)

Figure 2B-2(VA). Unsignalized Pedestrian Crosswalk Signs



 R1-5



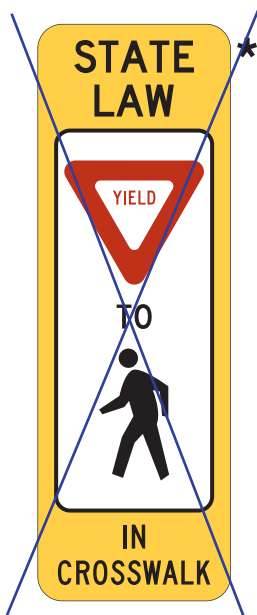
R1-5b



 R1-5d



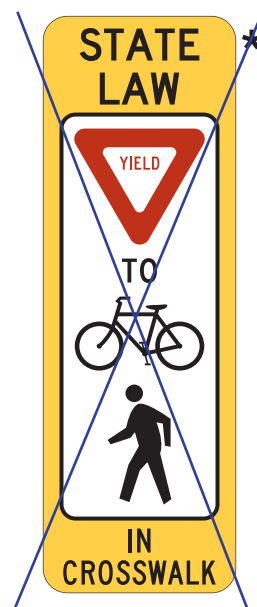
R1-5e



 R1-6



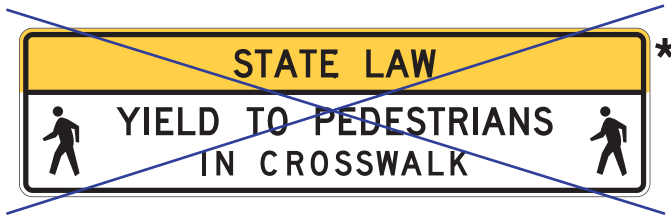
 R1-6a



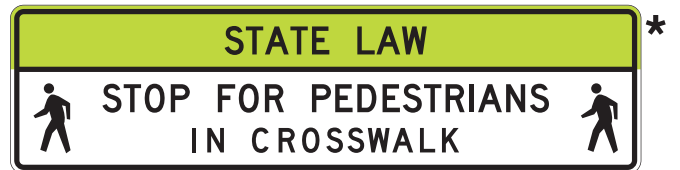
 R1-6d



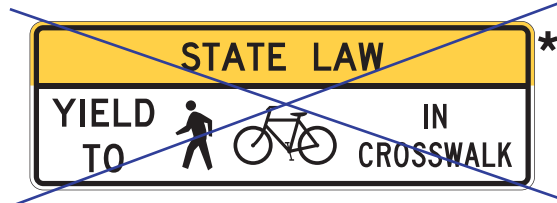
 R1-6e



 R1-9




 R1-9a



 R1-9d



 R1-9e

 * The legend STATE LAW is optional. A fluorescent yellow-green background color may shall be used instead of yellow for this sign.

Signs are not shown in proportion to their designated sizes.

Figure 2B-3(VA). Speed Limit Signs and Plaques



R2-1



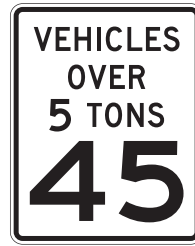
R2-2P



R2-2aP



R2-2bP



R2-2cP



R2-3P



R2-4P



R2-4a



R2-5P



R2-5P



R2-5aP



R2-5bP



R2-5cP



R2-V2



R2-6P



R2-6aP



R2-6bP



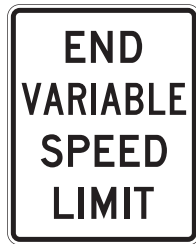
R2-Vp2



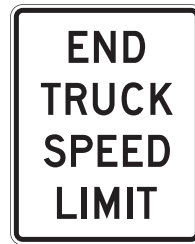
R2-10



R2-11



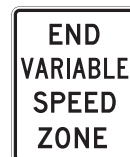
R2-13



R2-14



R2-V15



R2-V13

Figure 2B-4(VA). Movement Prohibition and Lane Control Signs and Plaques (Sheet 1 of 2)



* The diamond symbol may be used instead of the "HOV" word message. The minimum vehicle occupancy level may vary, such as 2+, 3+, 4+. The words "LANE" or "ONLY" may be used with this sign when appropriate.

Figure 2B-4(VA). Movement Prohibition and Lane Control Signs and Plaques (Sheet 2 of 2)



R3-18



R3-19



R3-19a



R3-19b



R3-20L



R3-20R



R3-5V



R3-27



R3-33



R3-33a

Figure 2B-12(VA). Selective Exclusion Signs and Plaques



R5-2



R5-2aP



R5-2b



R5-3



R5-4



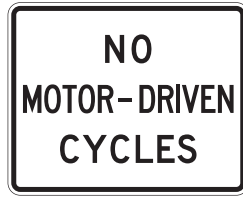
R5-5



R5-6



R5-7



R5-8



R5-10



R5-10a



 R5-V2



R5-10b



R5-10c



R5-11



R5-12



R9-3



R9-13



R9-14



R9-15



R9-16



R9-19P

Figure 2B-15(VA). Example of Application of Regulatory Signing and Pavement Markings at an Exit Ramp Termination to Deter Wrong-Way Entry

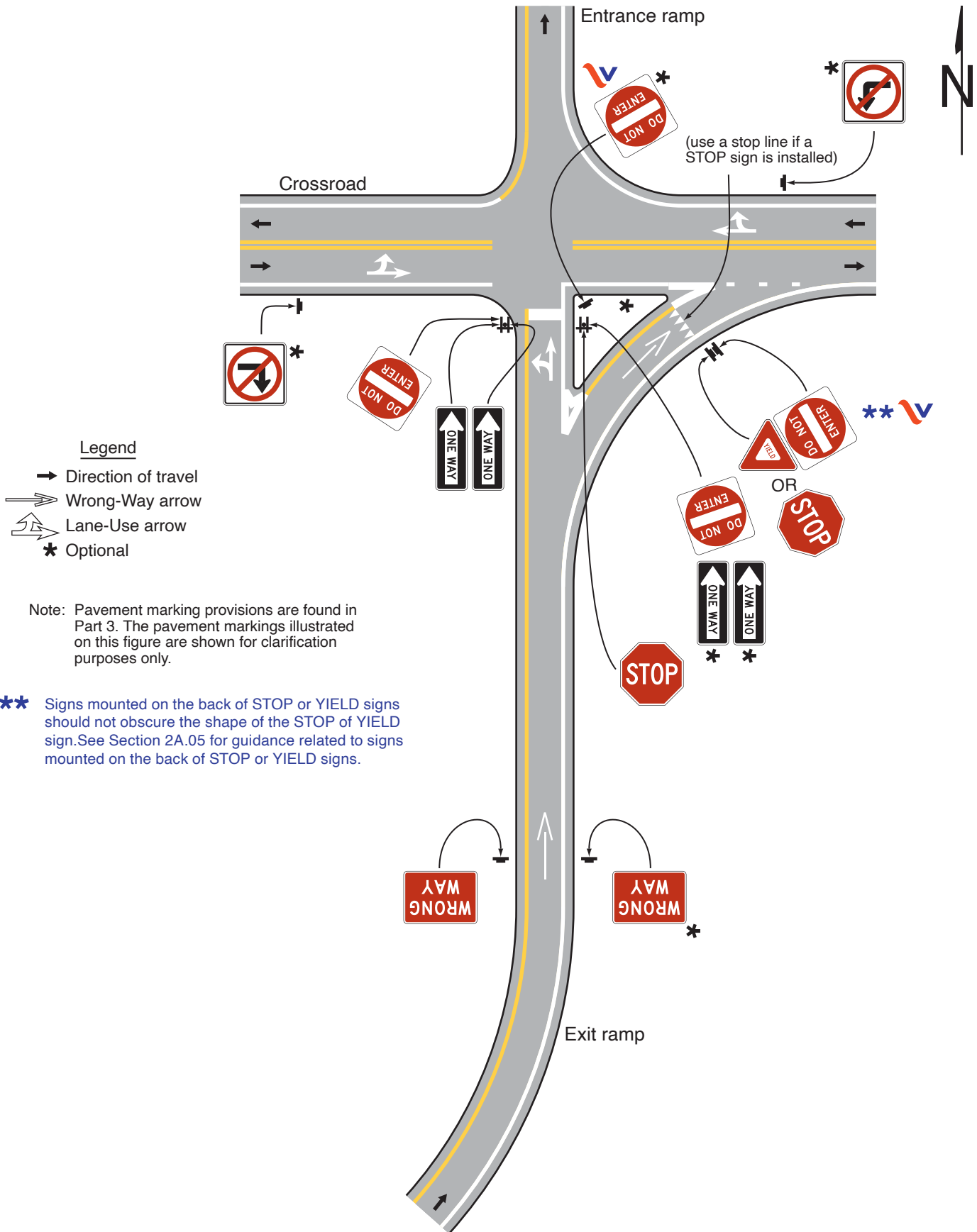
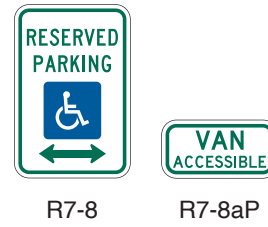


Figure 2B-25(VA). Parking, Standing, and Stopping Signs and Plaques (R7 and R8 Series) (Sheet 2 of 2)

C – Combination parking signs



D – Accessible parking signs and plaques



E – Electric vehicle parking and charging signs and plaques

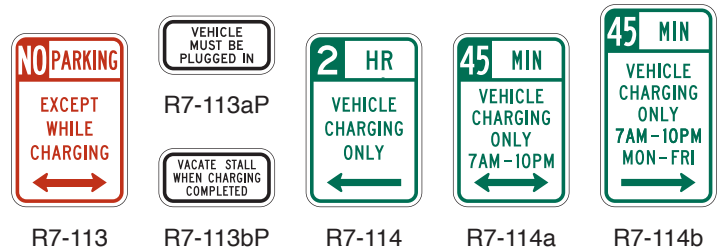
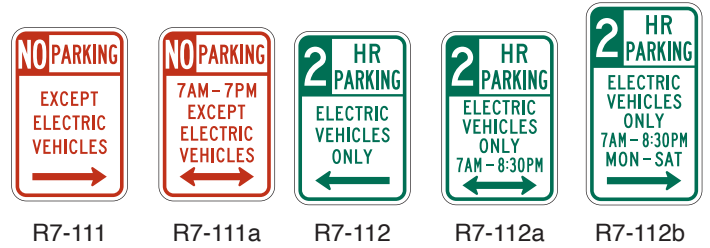


Figure 2B-27(VA). Pedestrian Signs and Plaques (Sheet 1 of 2)



R9-1



R9-2



R9-3



R9-3a



R9-3bP



R9-4



R9-4a



R10-1



R10-2



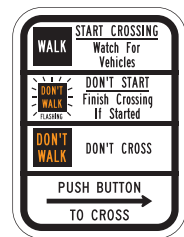
R10-3



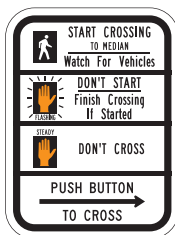
R10-3a



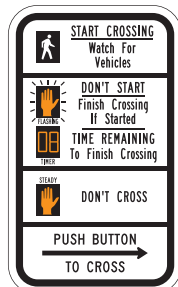
R10-3b



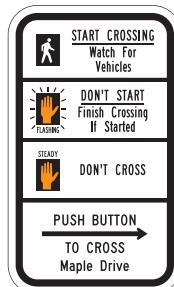
R10-3c



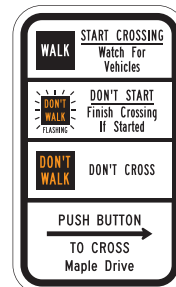
R10-3d



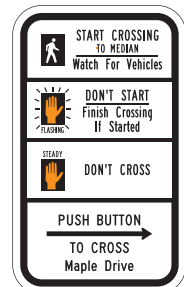
R10-3e



R10-3f



R10-3g



R10-3h

Figure 2B-28(VA). Traffic Signal Signs and Plaques (Sheet 1 of 2)



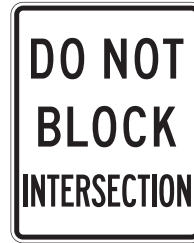
R10-5



R10-6



R10-6a



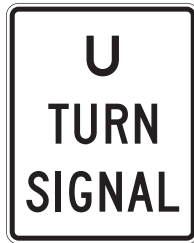
R10-7



R10-8



R10-10



R10-10a



R10-11



R10-11a



R10-11b



R10-11c



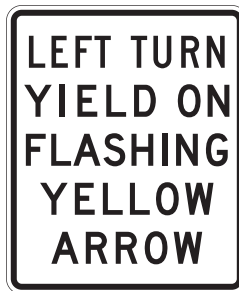
R10-11d



R10-V1



R10-12



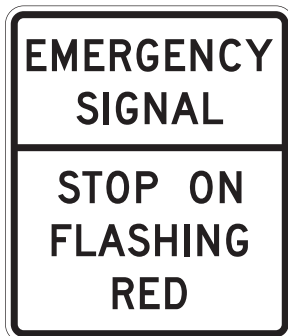
R10-12a



R10-12b



R10-13



R10-14



R10-14a



R10-14b

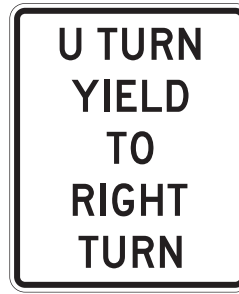
Figure 2B-28(VA). Traffic Signal Signs and Plaques (Sheet 2 of 2)



 R10-15



 R10-15a



R10-16



R10-17a

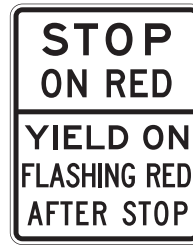


R10-20aP

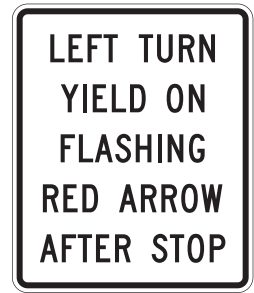
OR




R10-23



R10-23a



R10-27

 * A fluorescent yellow-green background color *may* shall be used instead of yellow for this sign.



R10-30



R10-31P

Figure 2B-30(VA). Road Closed and Weight Limit Signs

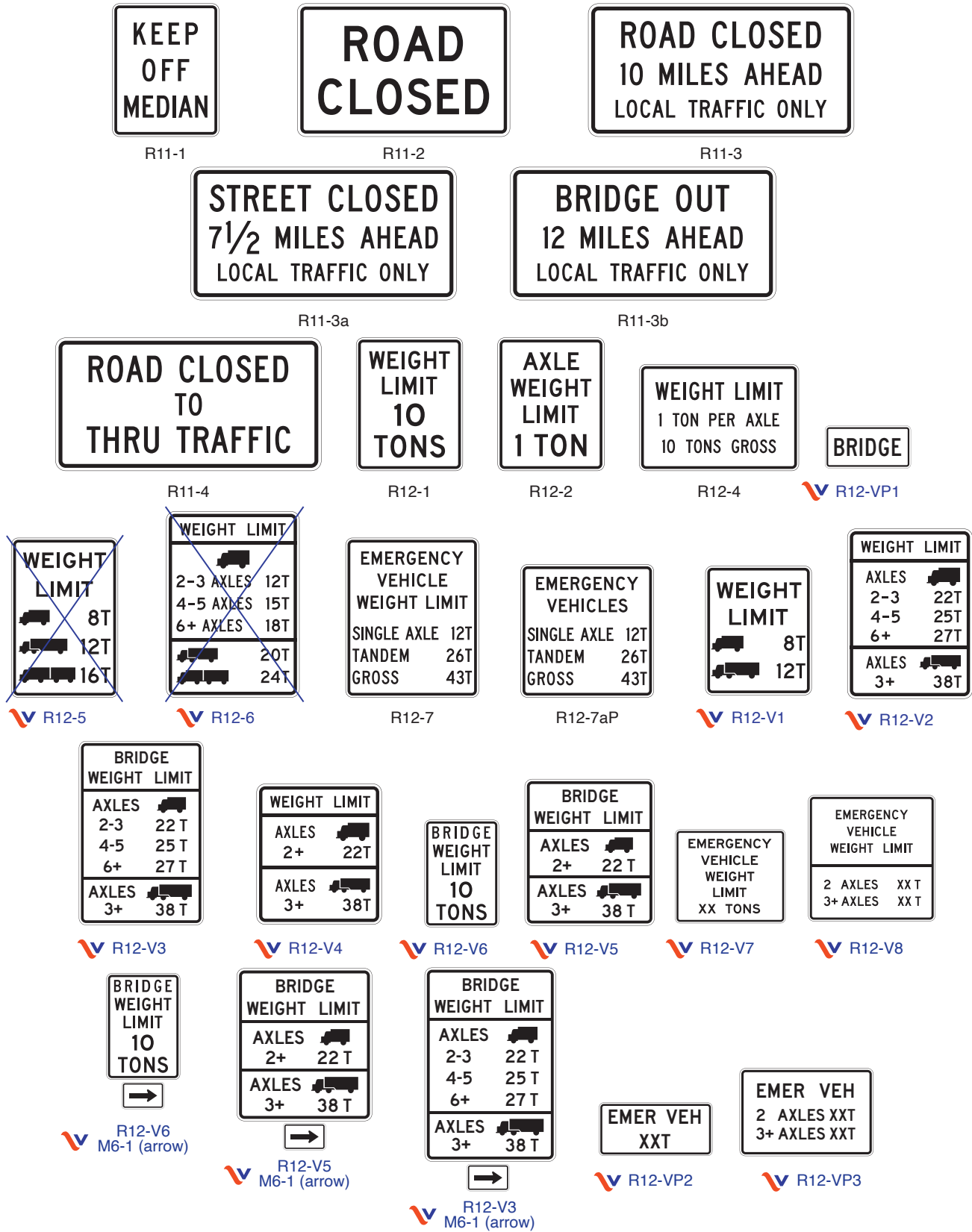


Figure 2B-V2. Example of Bridge Weight Limit Signing

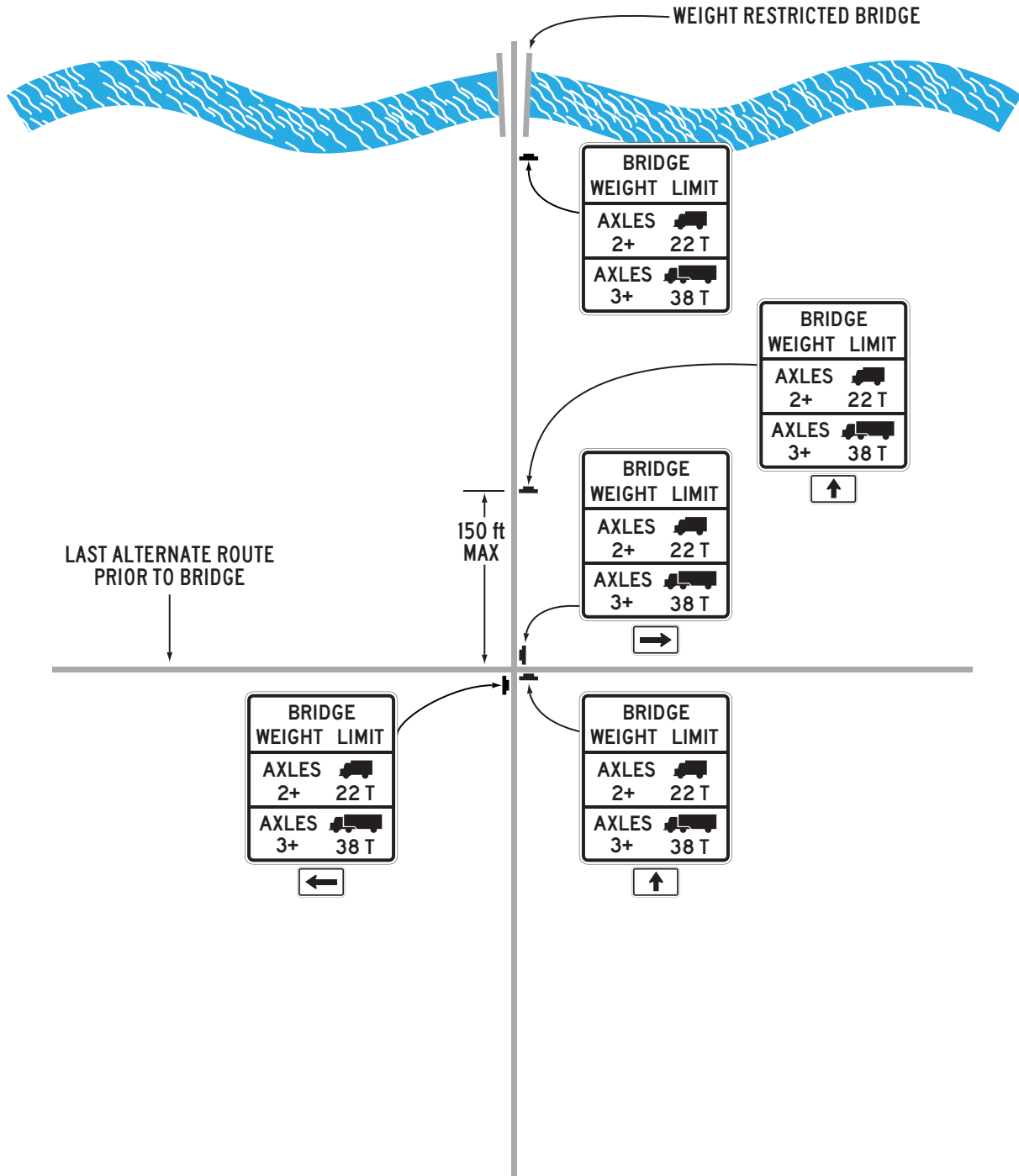
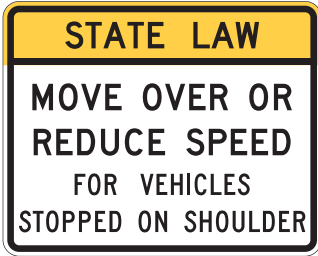
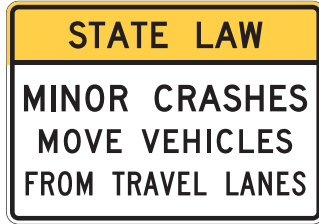


Figure 2B-33(VA). Other Regulatory Signs



R16-3



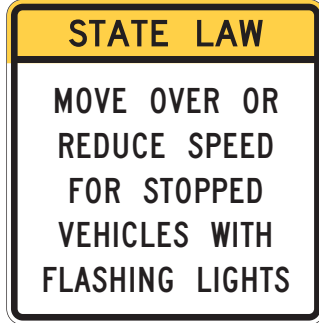
R16-4



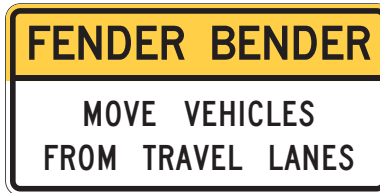
R16-15



R16-15a



 R16-3V



 R16-4V

Figure 2B-34(VA). Headlight Use Signs



R16-5



R16-6



R16-7



R16-8



R16-9



R16-10



R16-11

Figure 2B-V3. Anti-Littering Signs



R0-V1



R0-V2

Figure 2B-V4. Radar and Speed Limit Enforcement Signs



R0-V3



R0-V4

Figure 2B-V5. Highway Safety Corridor Signs

BEGIN

R3-9cP

HIGHWAY SAFETY CORRIDOR
FINES FOR MOVING VIOLATIONS
\$200 MIN - CRIMINAL OFFENSES
\$500 MAX - TRAFFIC INFRACTIONS

R0-V5

**END HIGHWAY
SAFETY CORRIDOR**

R0-V6

Figure 2B-V6. Rest Area Directional Signs



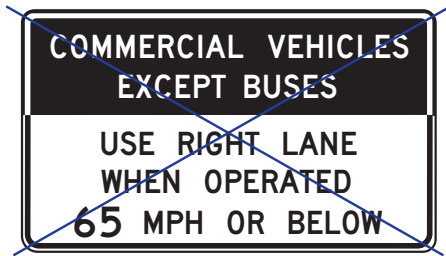
R0-V8

Figure 2B-V7. Rest Area Directional Signs



R9-V1

Figure 2B-V8. Commercial Vehicle Lane Restriction Signs



 R4-V1



 R4-V2



 R4-V2a



R4-V3



 R4-V4



W7-VP1

Figure 2B-V9. Pedestrian Swing Bridge Sign



R9-V2

Figure 2B-V10. ATV Regulatory Signs

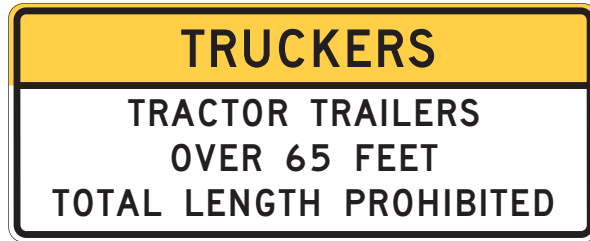


 R9-16



 R9-V1

Figure 2B-V11(VA). Truck Length Restriction Sign



 R0-V9

Figure 2C-3(VA). Examples of Exit Ramp Advisory Speed and Other Warning Signs (Sheet 4 of 5)

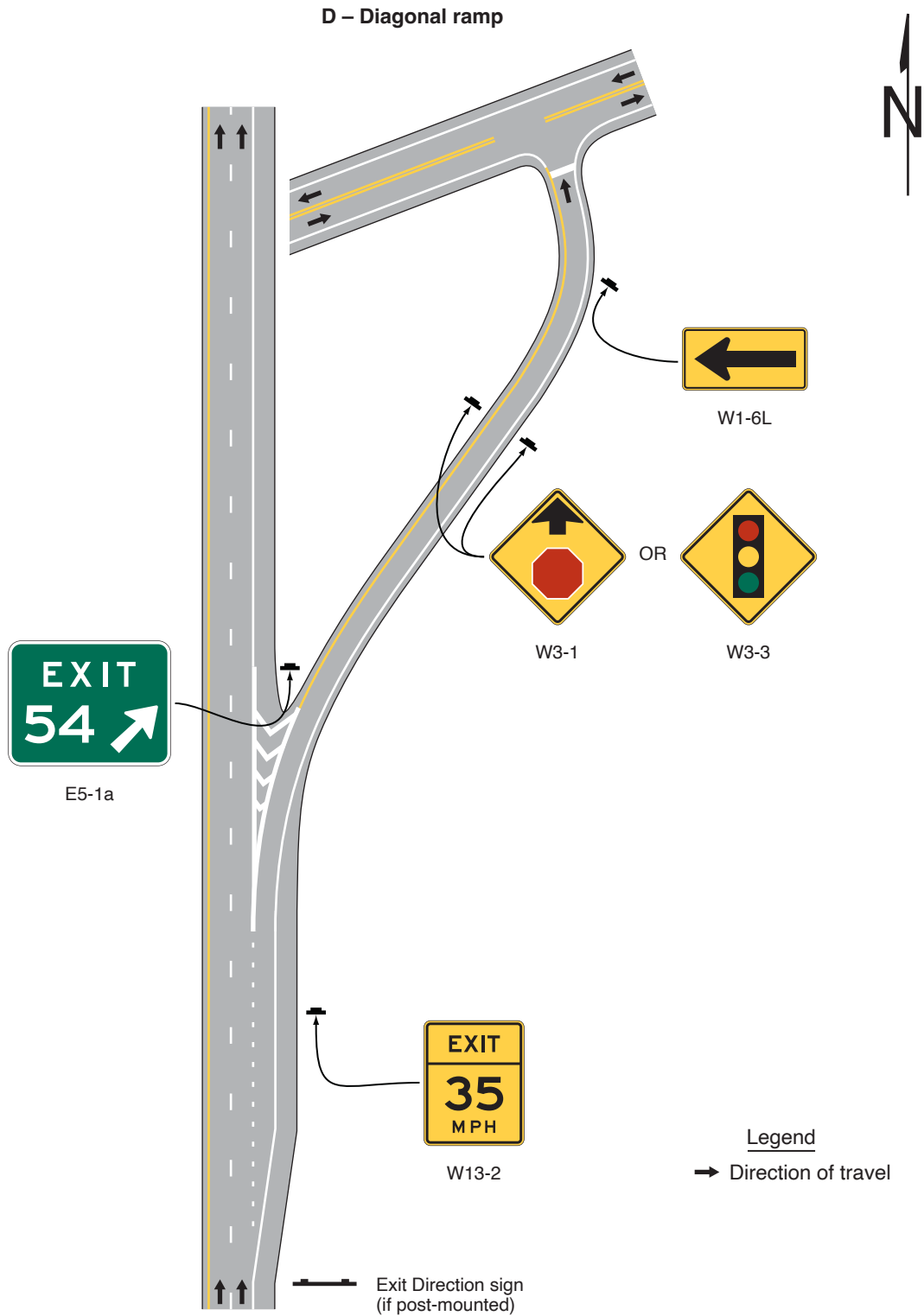


Figure 2C-5(VA). Vertical Grade Signs and Plaques



W7-1



W7-1a



W7-2P



W7-2bP



W7-3P



W7-3aP



W7-3bP



W7-4



W7-4b



 W7-4c



W7-4dP



W7-4eP



W7-4fP



W7-6

Figure 2C-V1. Typical Signing and Markings for One Lane Bridge Approach

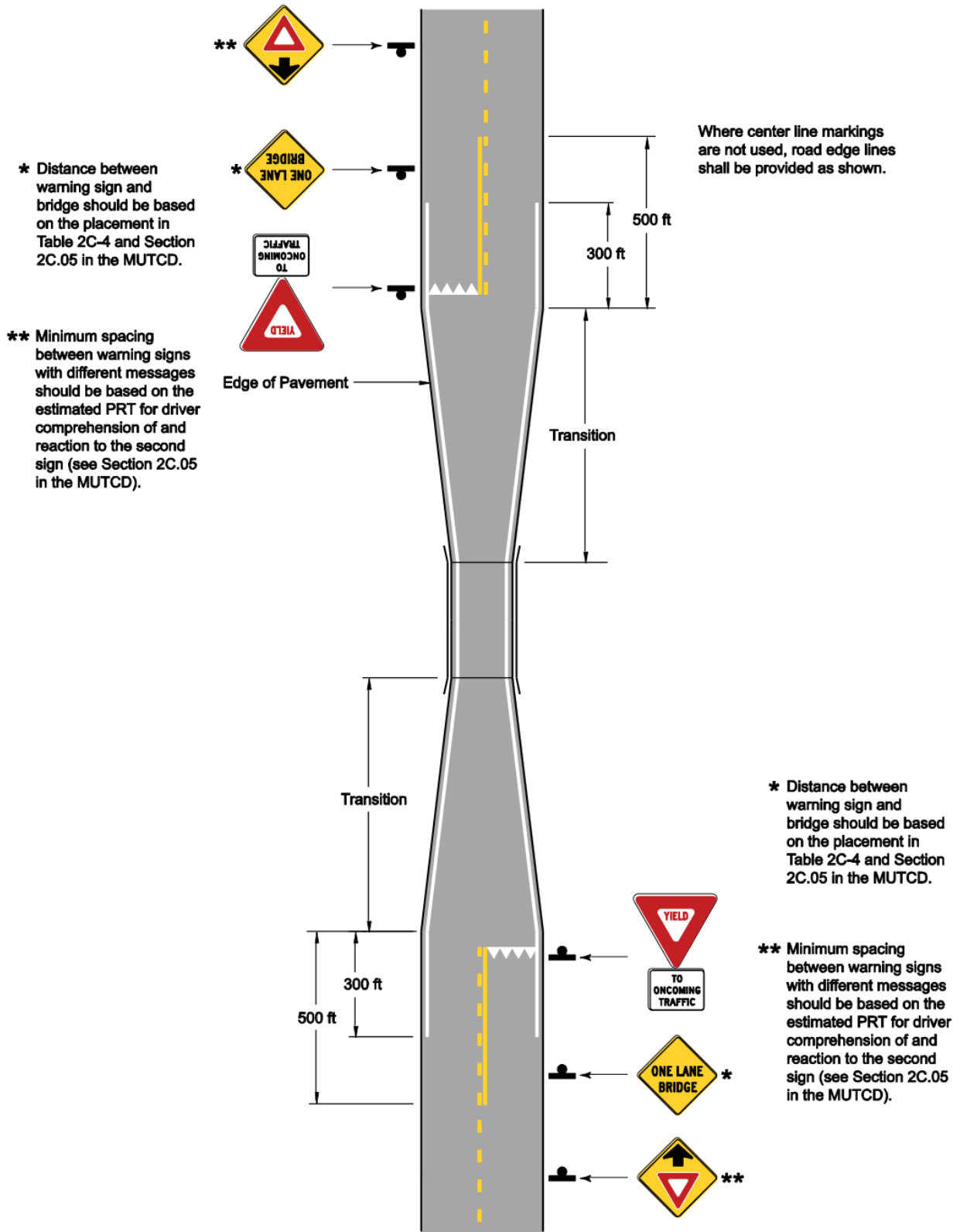
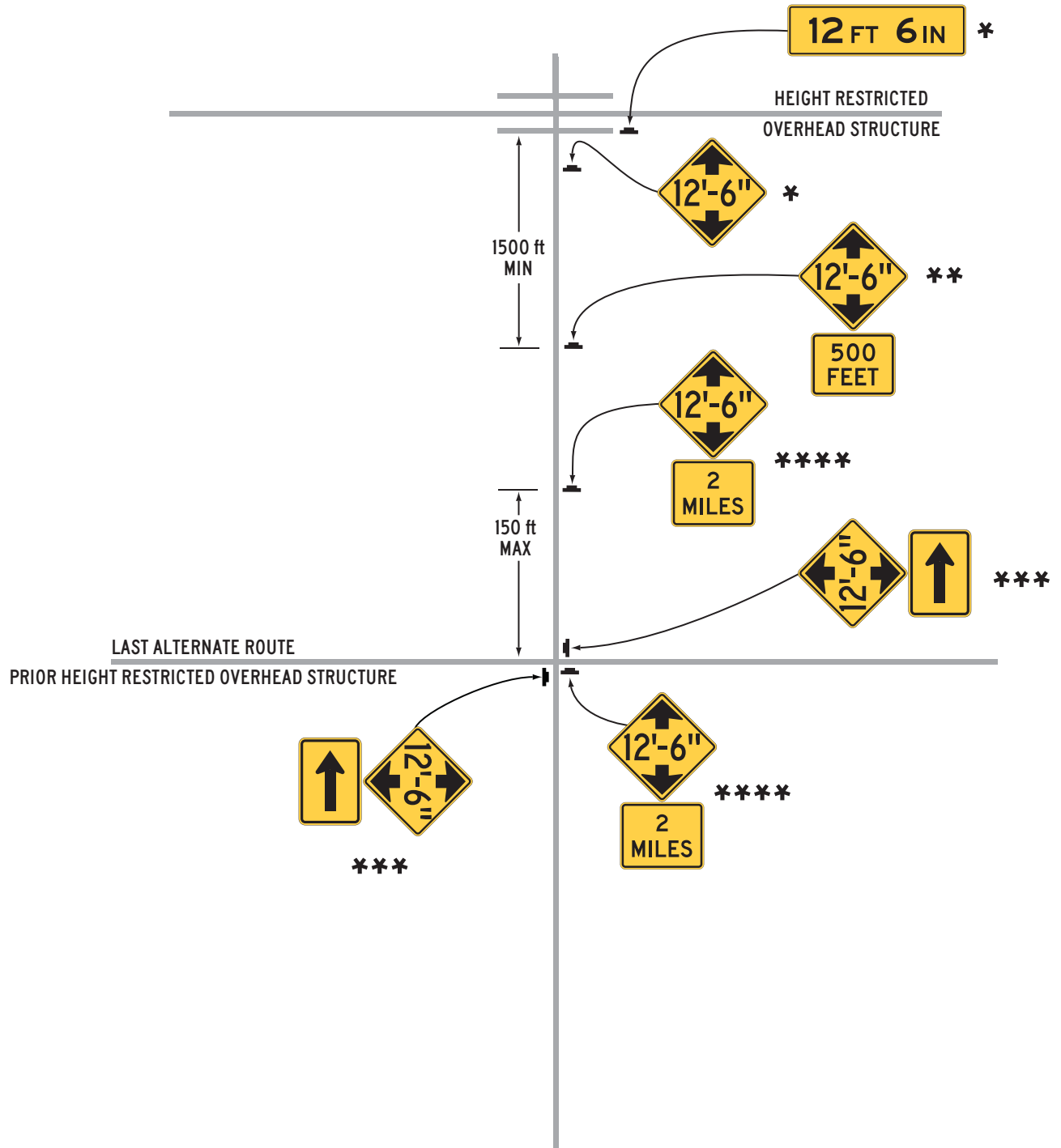


Figure 2C-V2. Low Clearance Structure Signing



* Sign required: either the diamond warning sign or the rectangular warning sign. Both are not required.

** Sign required when actual clearance is less than or equal to 14'13"

*** Sign required when actual clearance is less than 13'6"

**** Sign recommended when actual clearance is less than 13'6"

Note: The vertical clearance posted on the signs shall be 3 inches less than the actual vertical clearance.

Figure 2C-7(VA). Roadway and Weather Condition Signs and Plaques

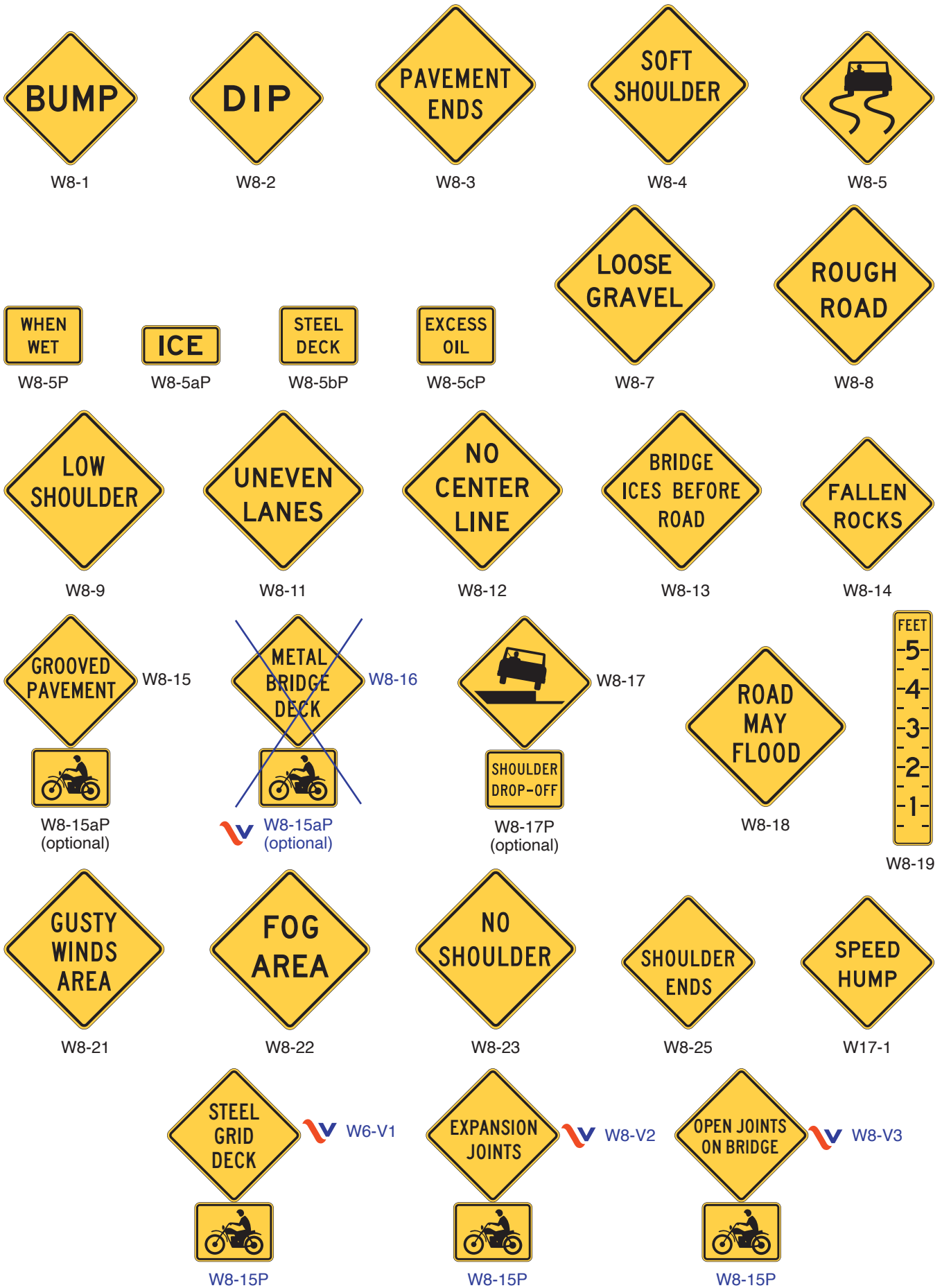


Figure 2C-9(VA). Reduced Speed Limit Ahead and Speed Zone Signs



W3-5



 W3-5a



W3-5b



W3-5c

Figure 2C-11(VA). Merging and Passing Signs and Plaques



W4-1



W4-2



W4-3



W4-5



W4-5aP



W4-6



W4-7



W4-8



W6-3



W6-5



W6-5a



W8-26



W8-26



W8-26a



W8-26a



W9-1



W9-4



W9-7



W14-3

Figure 2C-13(VA). Example Sequences for Lane Ends and Lane Merge Signs (Sheet 4 of 5)

E – Lane ends beyond major intersection or side road

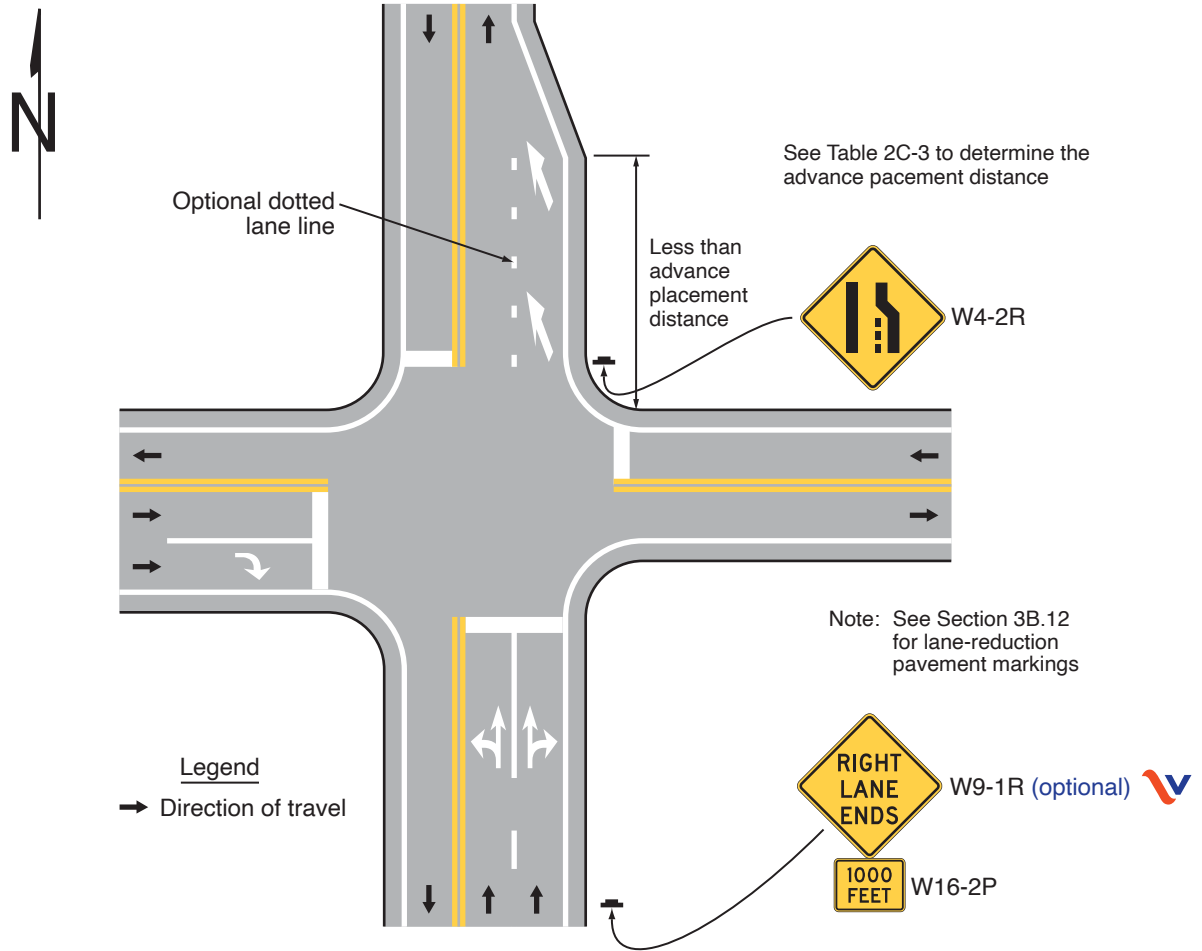
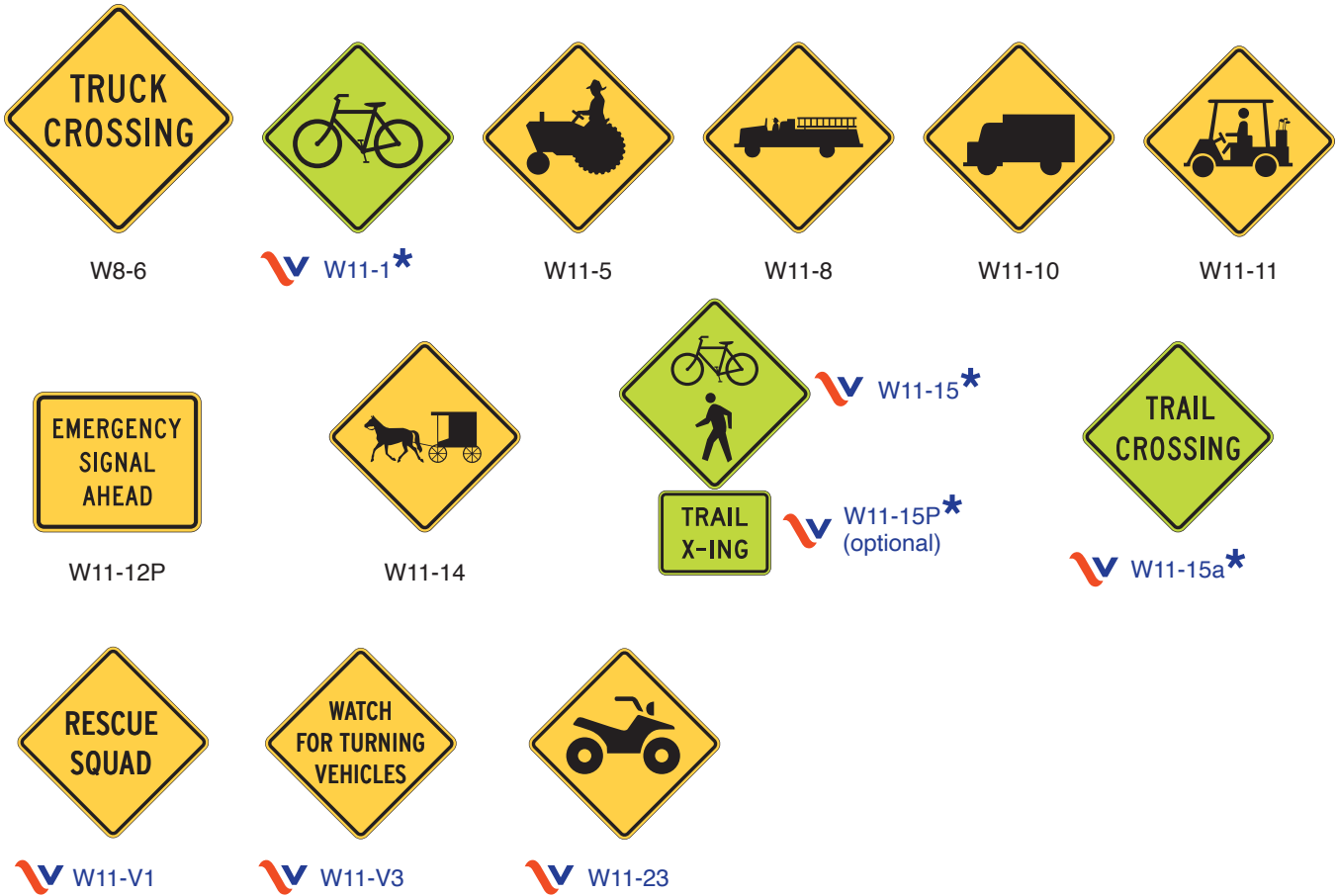


Figure 2C-14(VA). Vehicular Traffic Warning Signs and Plaques




 * A fluorescent yellow-green background color **may shall** be used for this sign or plaque.

Figure 2C-15(VA). Non-Vehicular Warning Signs



W11-2*



W11-3 (Deer)



W11-4 (Cattle)



W11-6



W11-7



W11-9*



W11-16 (Bear)



W11-17 (Sheep)



W11-18 (Bighorn Sheep)



W11-19 (Donkey)



W11-20 (Elk)



W11-21 (Moose)



W11-22 (Wild Horse)



W15-1*



W15-V1*



W15-VP1*

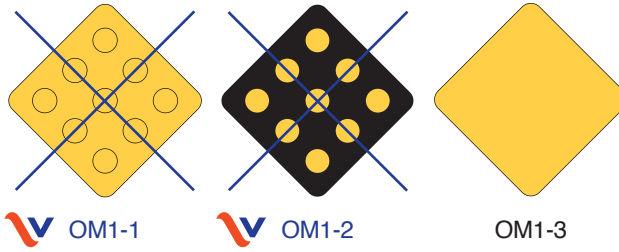


W15-V2*

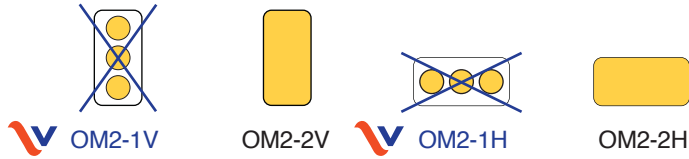
* A fluorescent yellow-green background color may shall be used for this sign or plaque.

Figure 2C-17(VA). Object Markers

**Type 1 Object Markers
(obstructions within the roadway)**



**Type 2 Object Markers
(obstructions adjacent to the roadway)**



**Type 3 Object Markers
(obstructions adjacent to or within the roadway)**



**Type 4 Object Markers
(end of roadway)**

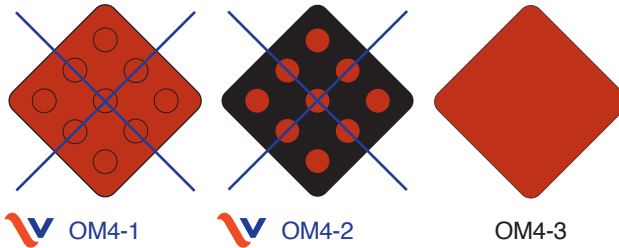
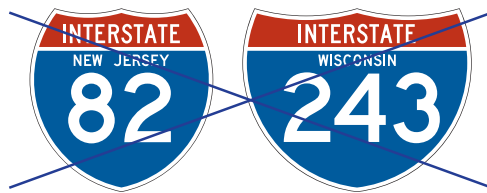


Figure 2D-4(VA). Route Signs



Interstate Route Sign
M1-1



 Interstate Route Sign
M1-1a



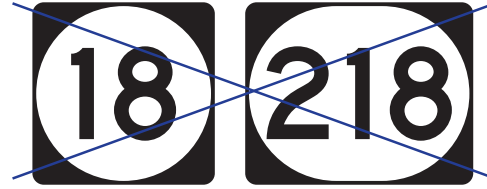
Off-Interstate Business Route Sign
M1-2 (Loop)



Off-Interstate Business Route Sign
M1-3 (Spur)



U.S. Route Sign
M1-4




 State Route Sign
M1-5



 Virginia Primary Route Sign
M1-V1a



 Virginia Circular Secondary
Route Sign (Three Digits)
M1-V2a



 Virginia Circular Secondary
Route Sign (Four Digits)
M1-V2c



 Virginia Circular Secondary
Route Sign (F & Four Digits)
M1-V2e



 Rectangular Secondary Route Sign
M1-V3aB



County Route Sign
M1-6



Forest Route Sign
M1-7

Figure 2D-5. Route Sign Auxiliary Plaques and Combination Junction Sign

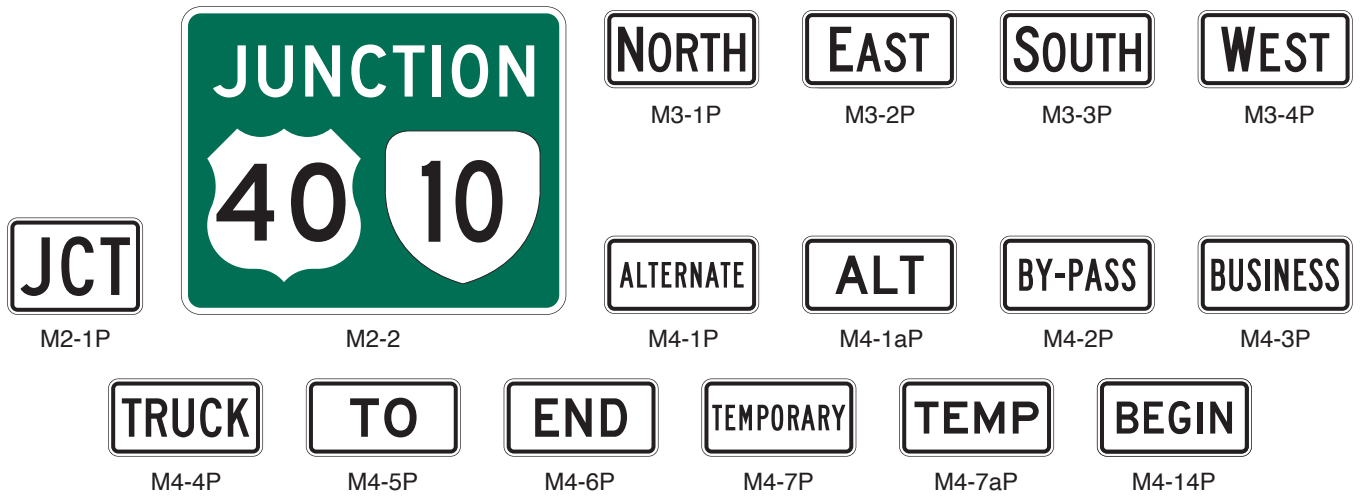


Figure 2D-6(VA). Advance Turn and Directional Arrow Auxiliary Plaques

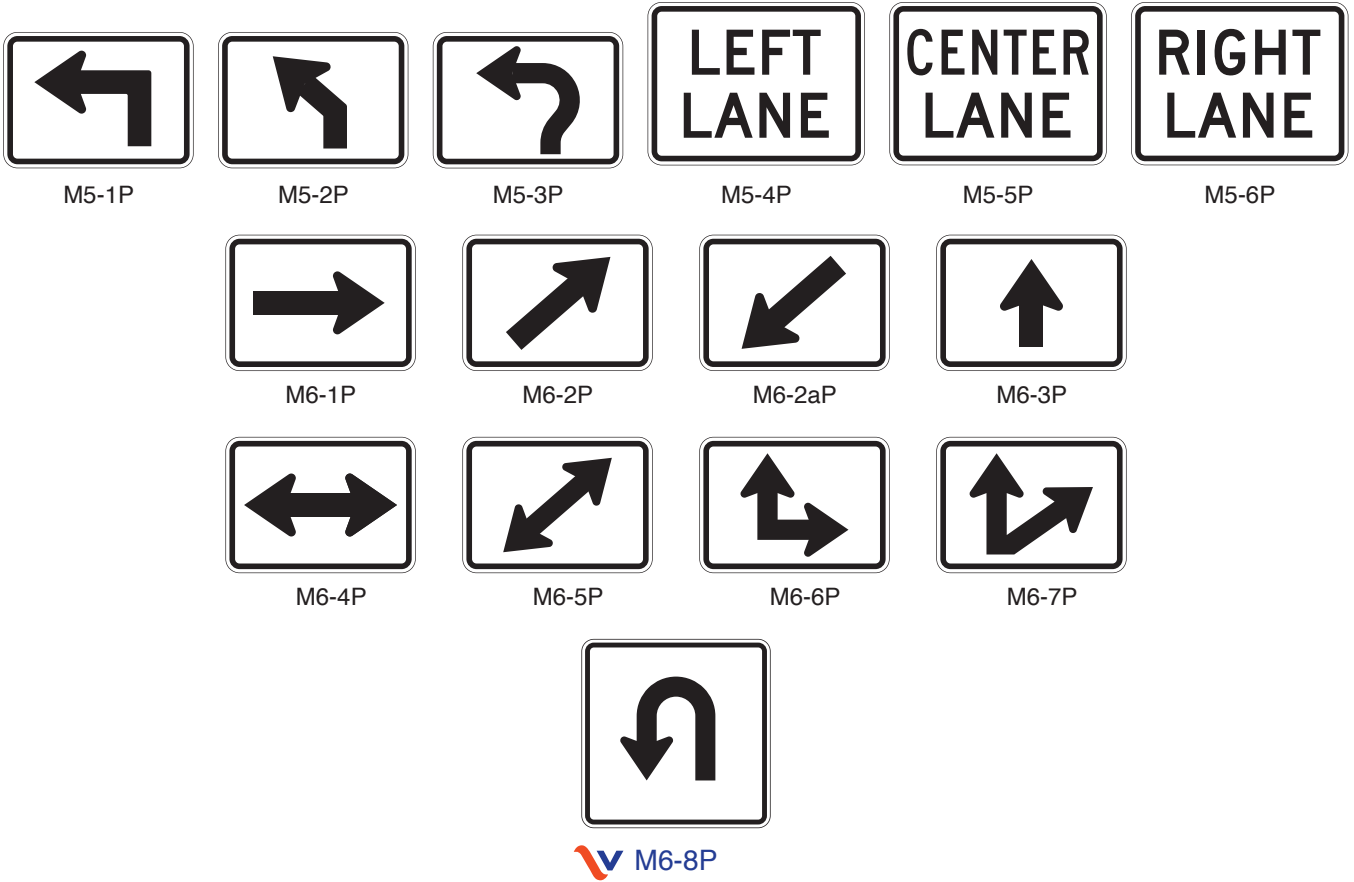
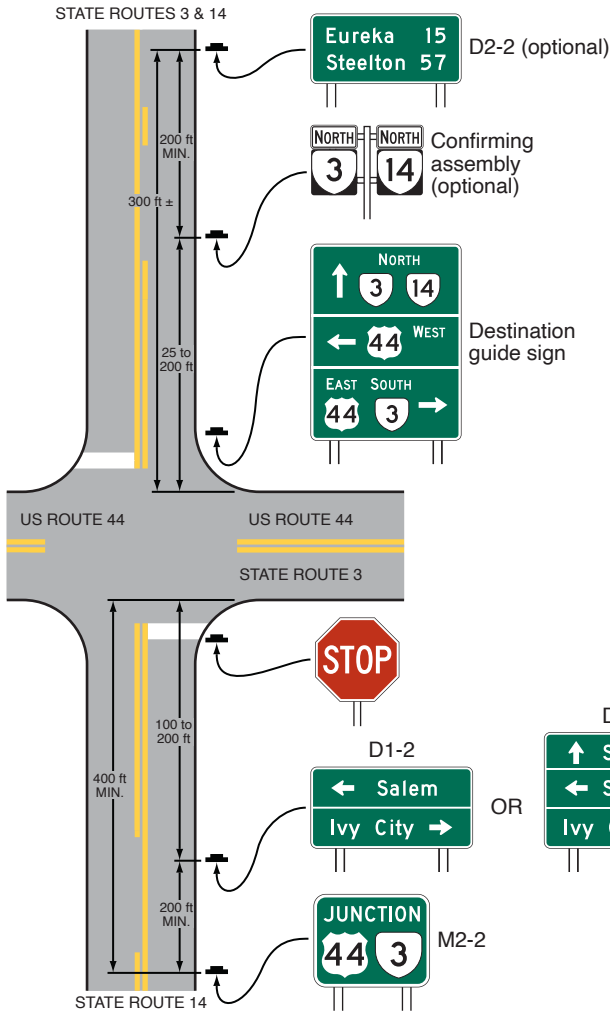
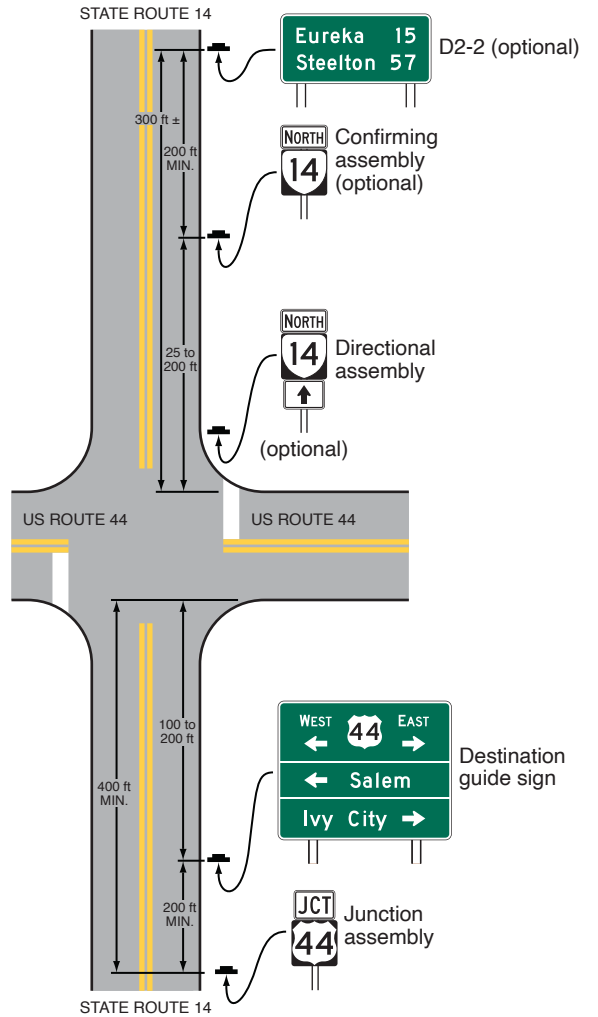


Figure 2D-7(VA). Examples of Consolidation of Route Sign Assemblies into Guide Signs (Sheet 1 of 2)

A – Minor roadway approach to a stop-controlled intersection



B – Major roadway approach or approach to a signalized intersection

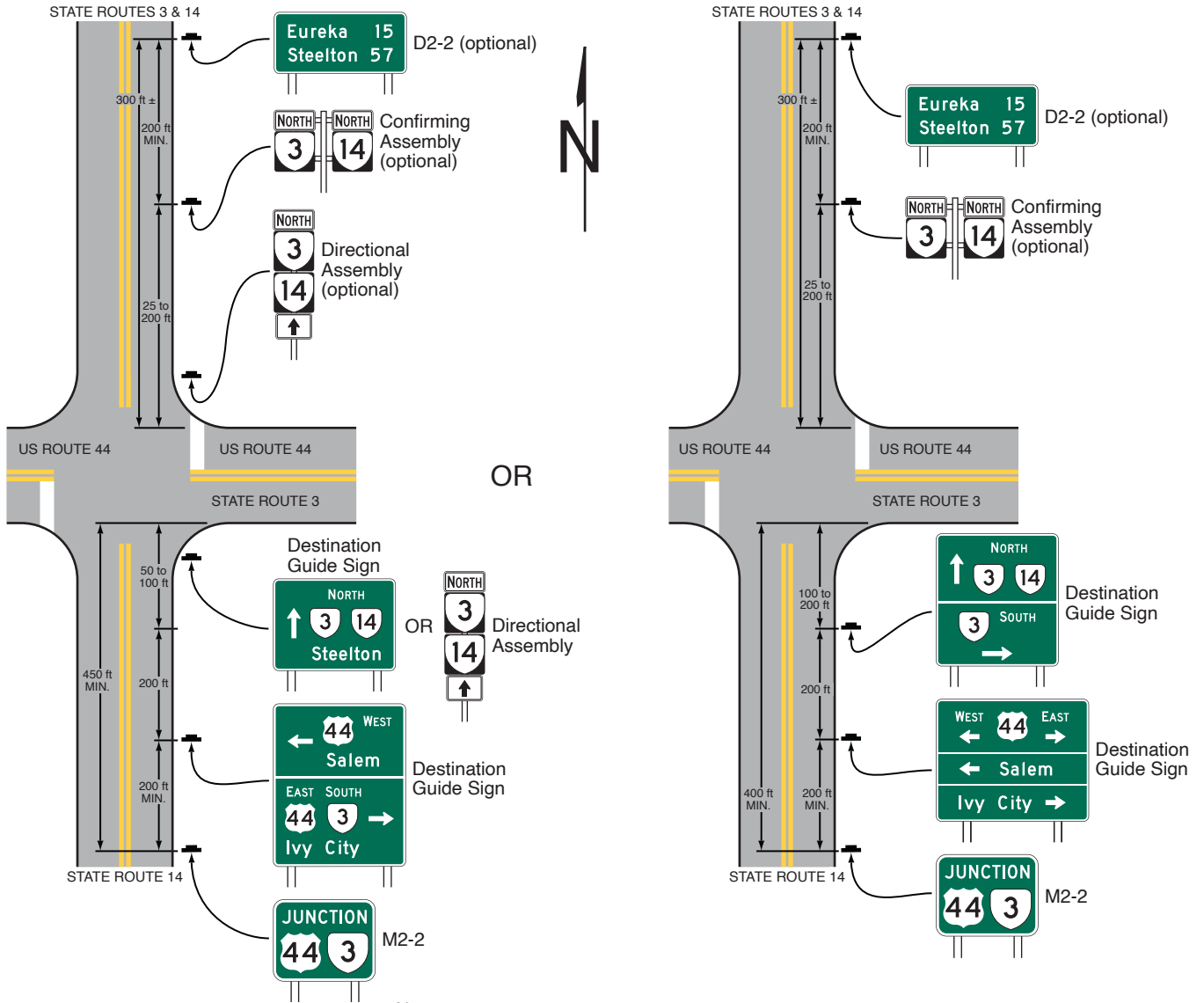


Notes:

1. Only one direction of travel and associated signs shown.
2. The spacings shown on this figure are for rural intersections. See Sections 2D.29, 2D.30, 2D.31, 2D.32, 2D.33, 2D.42, and 2D.44 for low-speed and/or urban conditions.

Figure 2D-7(VA). Examples of Consolidation of Route Sign Assemblies into Guide Signs (Sheet 2 of 2)

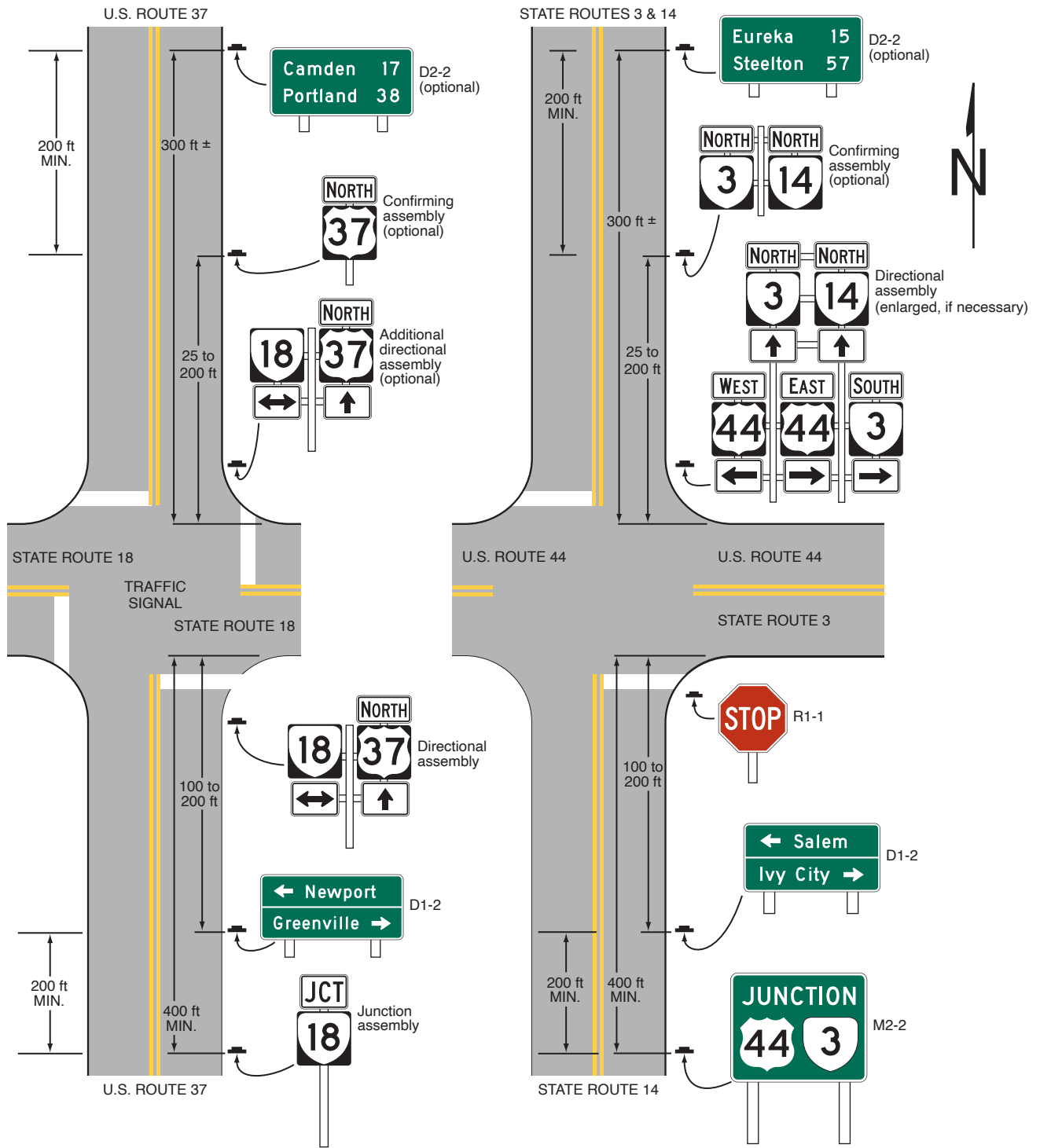
C – Major roadway approach or approach to a signalized intersection where overlapping routes join or separate



Notes:

1. Only one direction of travel and associated signs shown.
2. The spacings shown on this figure are for rural intersections. See Sections 2D.29, 2D.30, 2D.31, 2D.32, 2D.33, 2D.42, and 2D.44 for low-speed and/or urban conditions.

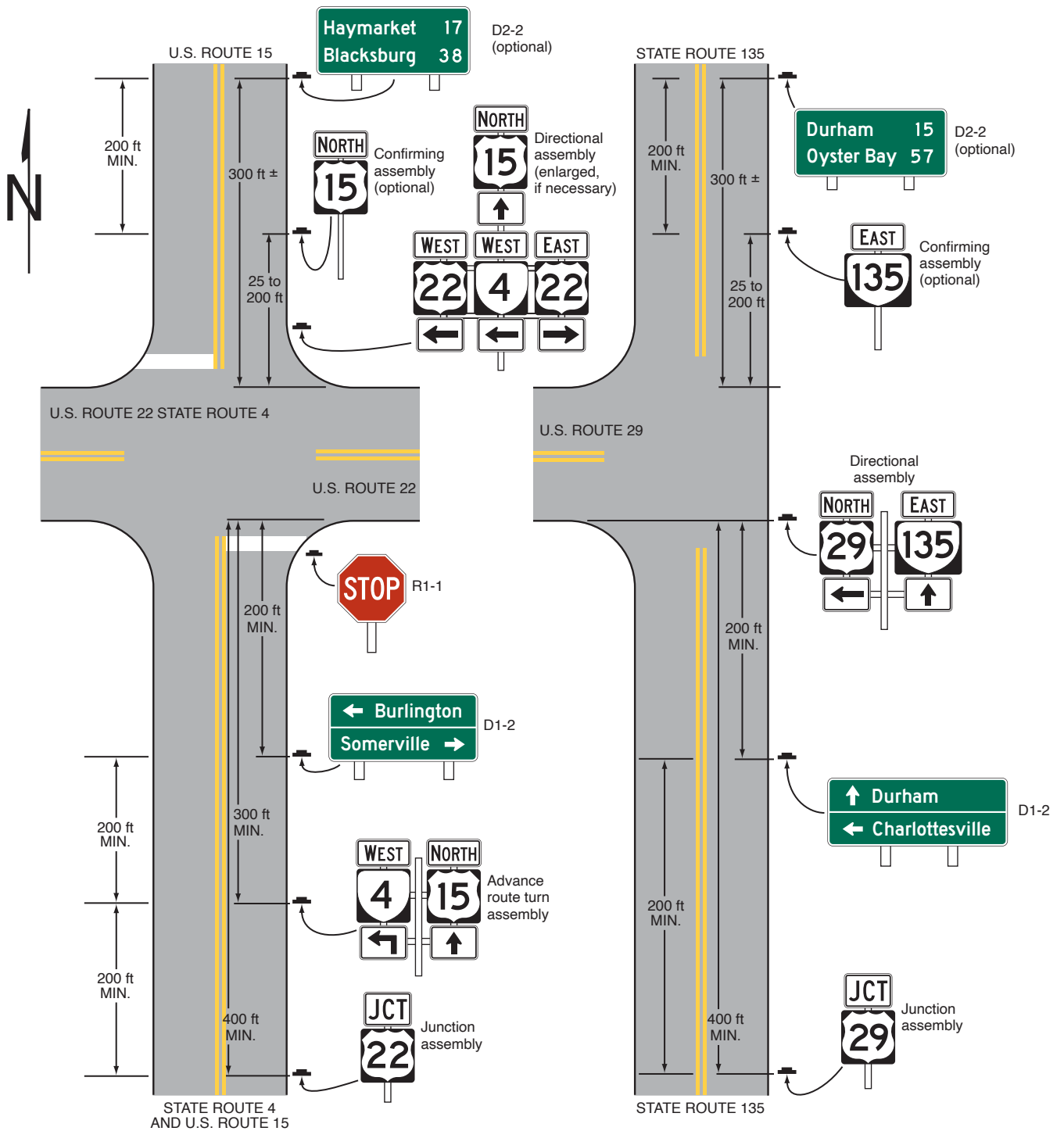
Figure 2D-8(VA). Illustration of Directional Assemblies and Other Route Signs (Sheet 1 of 4)



Notes:

1. Only the signs associated with the northbound direction of travel are shown on this figure.
2. The spacings shown on this figure are for rural intersections. See Sections 2D.29, 2D.30, 2D.31, 2D.32, 2D.33, 2D.42, and 2D.44 for low-speed and/or urban conditions.

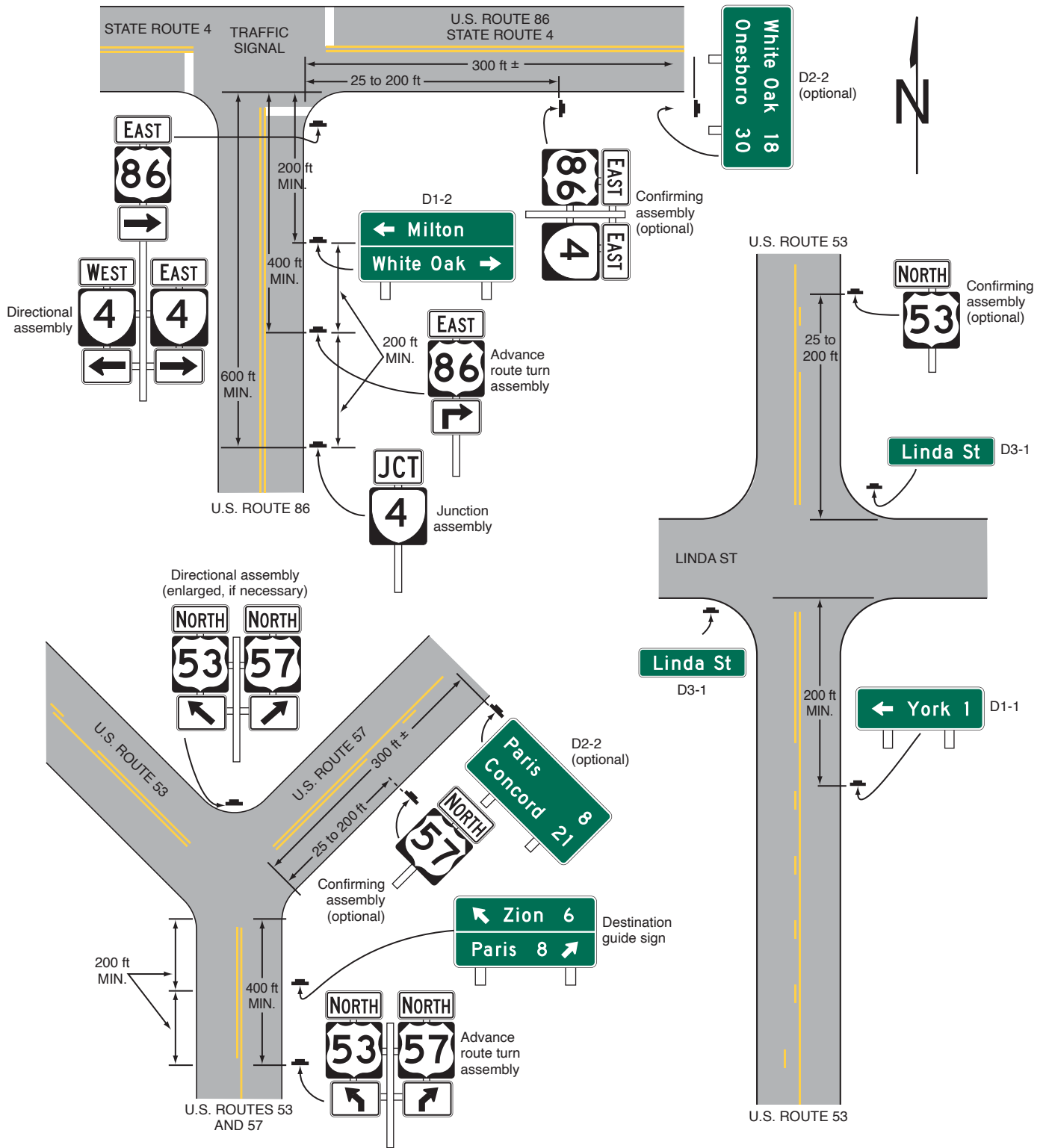
Figure 2D-8(VA). Illustration of Directional Assemblies and Other Route Signs (Sheet 2 of 4)



Notes:

1. Only the signs associated with the northbound direction of travel are shown on this figure.
2. The spacings shown on this figure are for rural intersections. See Sections 2D.29, 2D.30, 2D.31, 2D.32, 2D.33, 2D.42, and 2D.44 for low-speed and/or urban conditions.

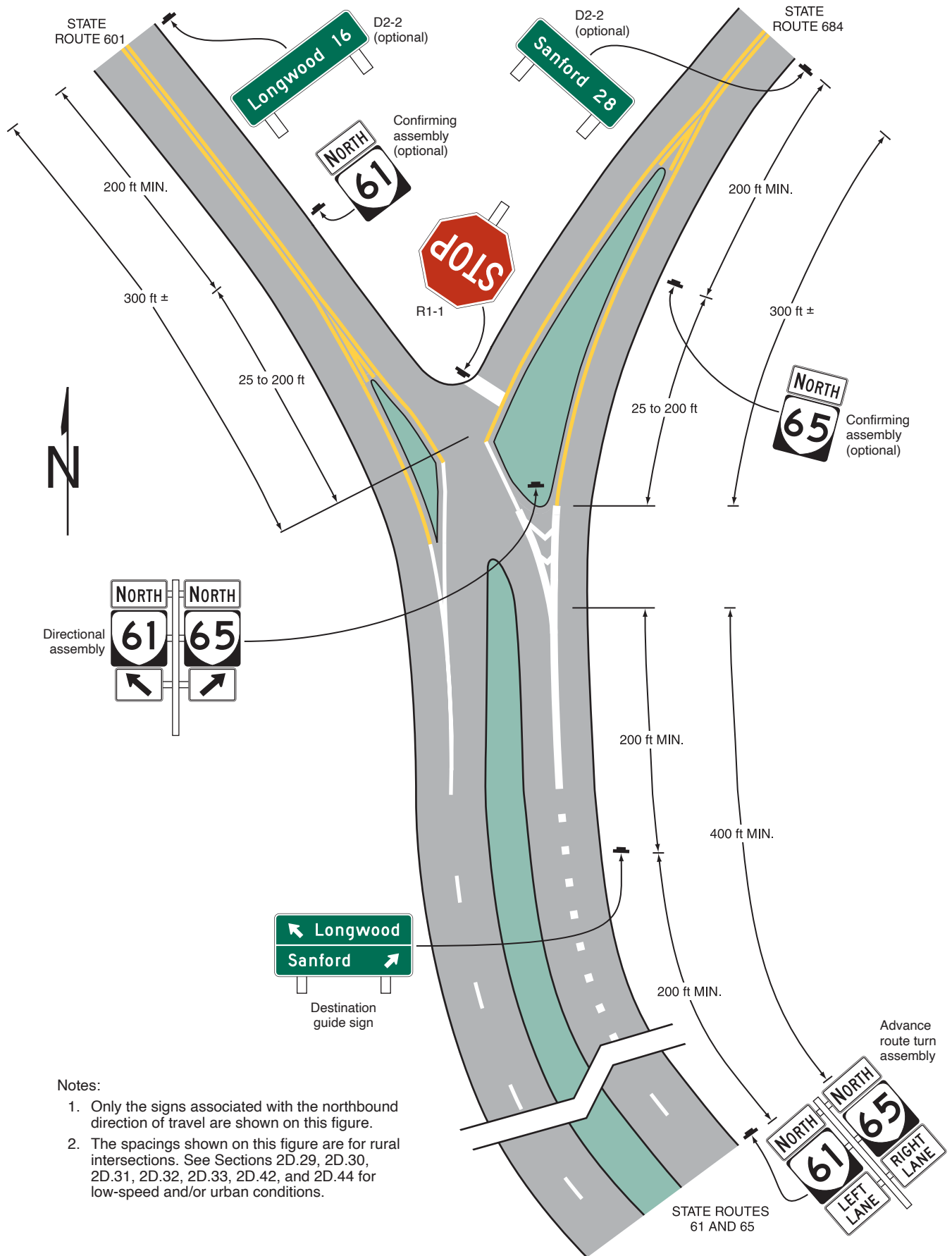
Figure 2D-8(VA). Illustration of Directional Assemblies and Other Route Signs (Sheet 3 of 4)



Notes:

1. Only the signs associated with the northbound direction of travel are shown on this figure.
2. The spacings shown on this figure are for rural intersections. See Sections 2D.29, 2D.30, 2D.31, 2D.32, 2D.33, 2D.42, and 2D.44 for low-speed and/or urban conditions.

Figure 2D-8(VA). Illustration of Directional Assemblies and Other Route Signs (Sheet 4 of 4)



Notes:

1. Only the signs associated with the northbound direction of travel are shown on this figure.
2. The spacings shown on this figure are for rural intersections. See Sections 2D.29, 2D.30, 2D.31, 2D.32, 2D.33, 2D.42, and 2D.44 for low-speed and/or urban conditions.

Figure 2D-11. Destination Signs for Circular Intersections



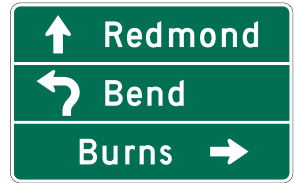
D1-1d



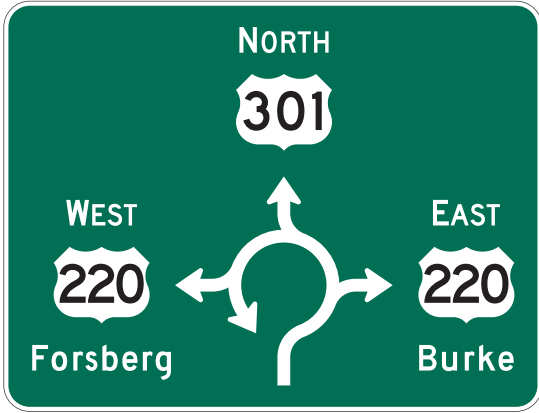
D1-1e



D1-2d



D1-3d

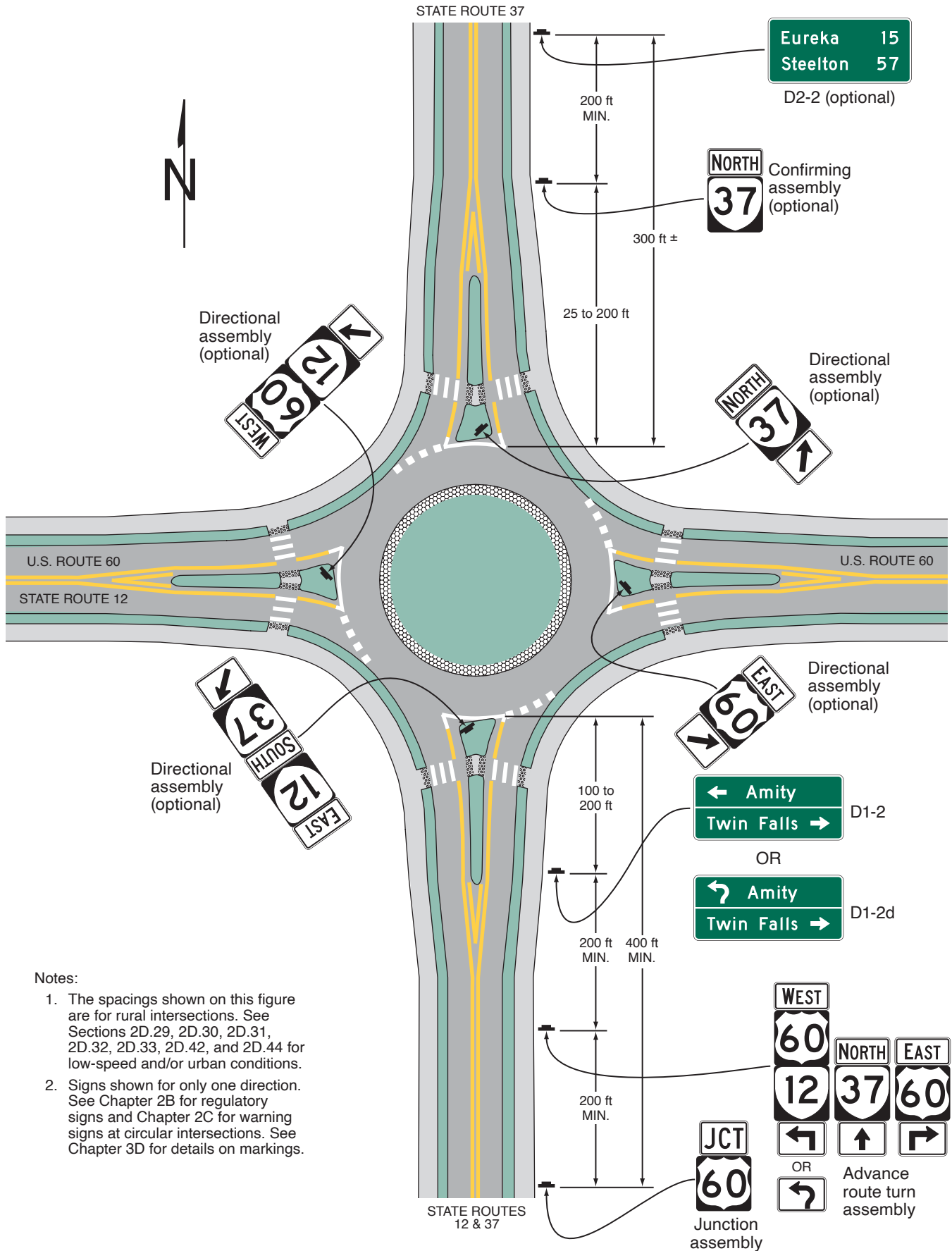


D1-5



D1-5a

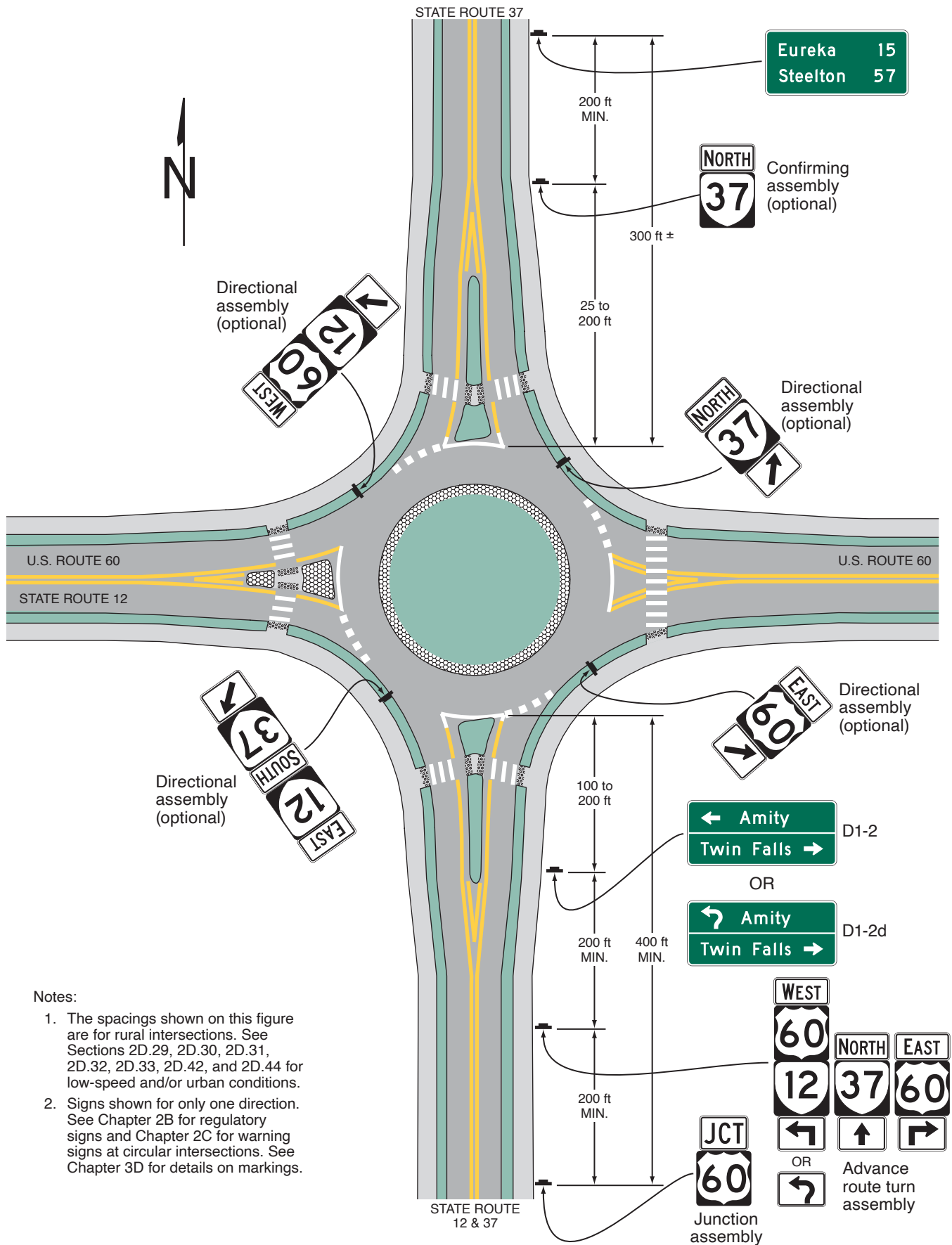
Figure 2D-12. Examples of Guide Signs for Circular Intersections (Sheet 1 of 4)



Notes:

1. The spacings shown on this figure are for rural intersections. See Sections 2D.29, 2D.30, 2D.31, 2D.32, 2D.33, 2D.42, and 2D.44 for low-speed and/or urban conditions.
2. Signs shown for only one direction. See Chapter 2B for regulatory signs and Chapter 2C for warning signs at circular intersections. See Chapter 3D for details on markings.

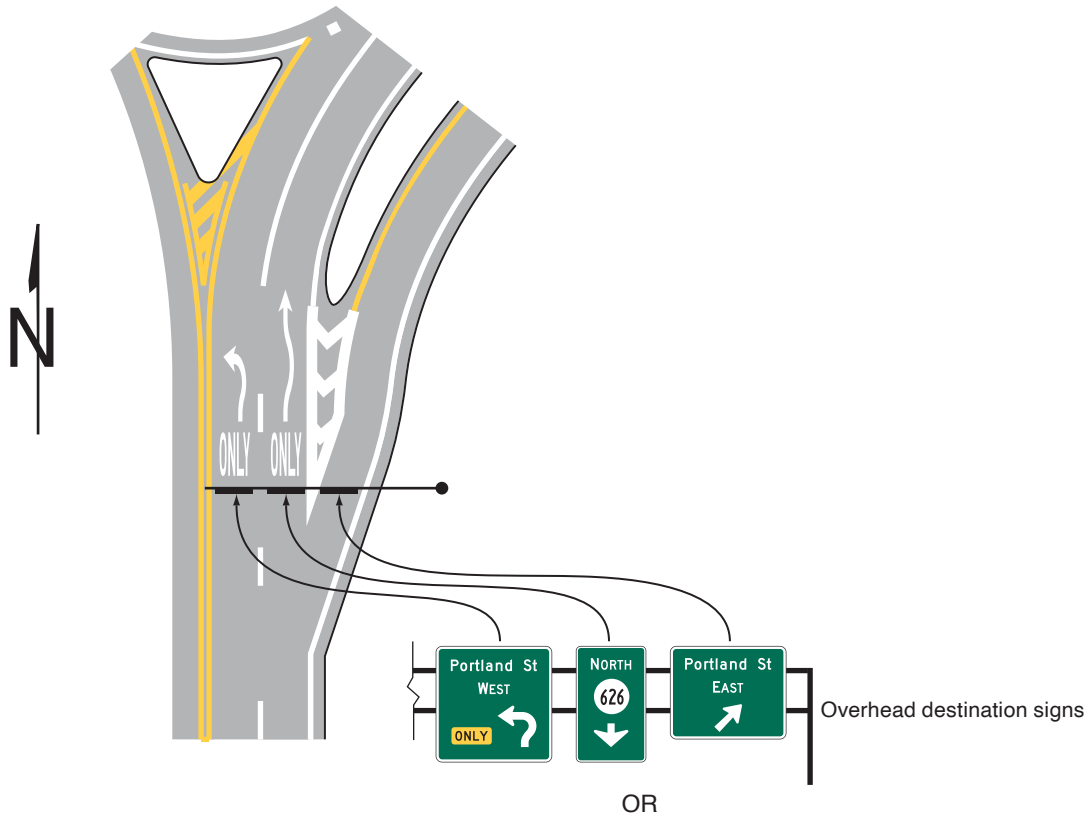
Figure 2D-12. Examples of Guide Signs for Circular Intersections (Sheet 3 of 4)



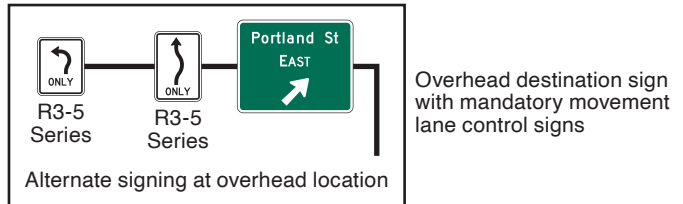
Notes:

1. The spacings shown on this figure are for rural intersections. See Sections 2D.29, 2D.30, 2D.31, 2D.32, 2D.33, 2D.42, and 2D.44 for low-speed and/or urban conditions.
2. Signs shown for only one direction. See Chapter 2B for regulatory signs and Chapter 2C for warning signs at circular intersections. See Chapter 3D for details on markings.

Figure 2D-12. Examples of Guide Signs for Circular Intersections (Sheet 4 of 4)



OR



Note: Signs shown for only one direction. See Chapter 2B for regulatory signs and Chapter 2C for warning signs at circular intersections. See Chapter 3D for details on markings.

Alternate signing at overhead location

Figure 2D-13. Examples of Signing for Intersections with Indirect Left Turns (Sheet 3 of 3)

C – Continuous flow intersection

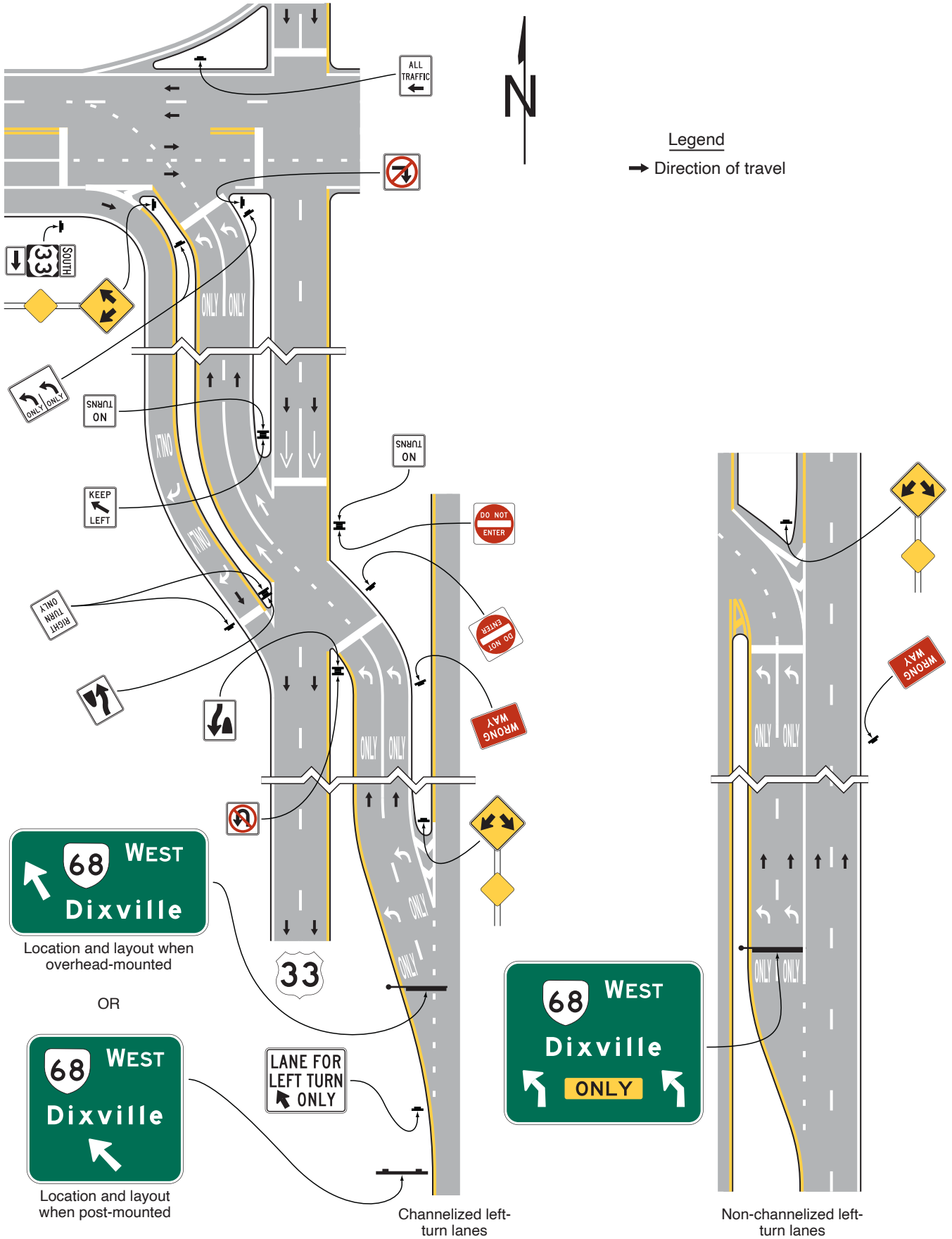
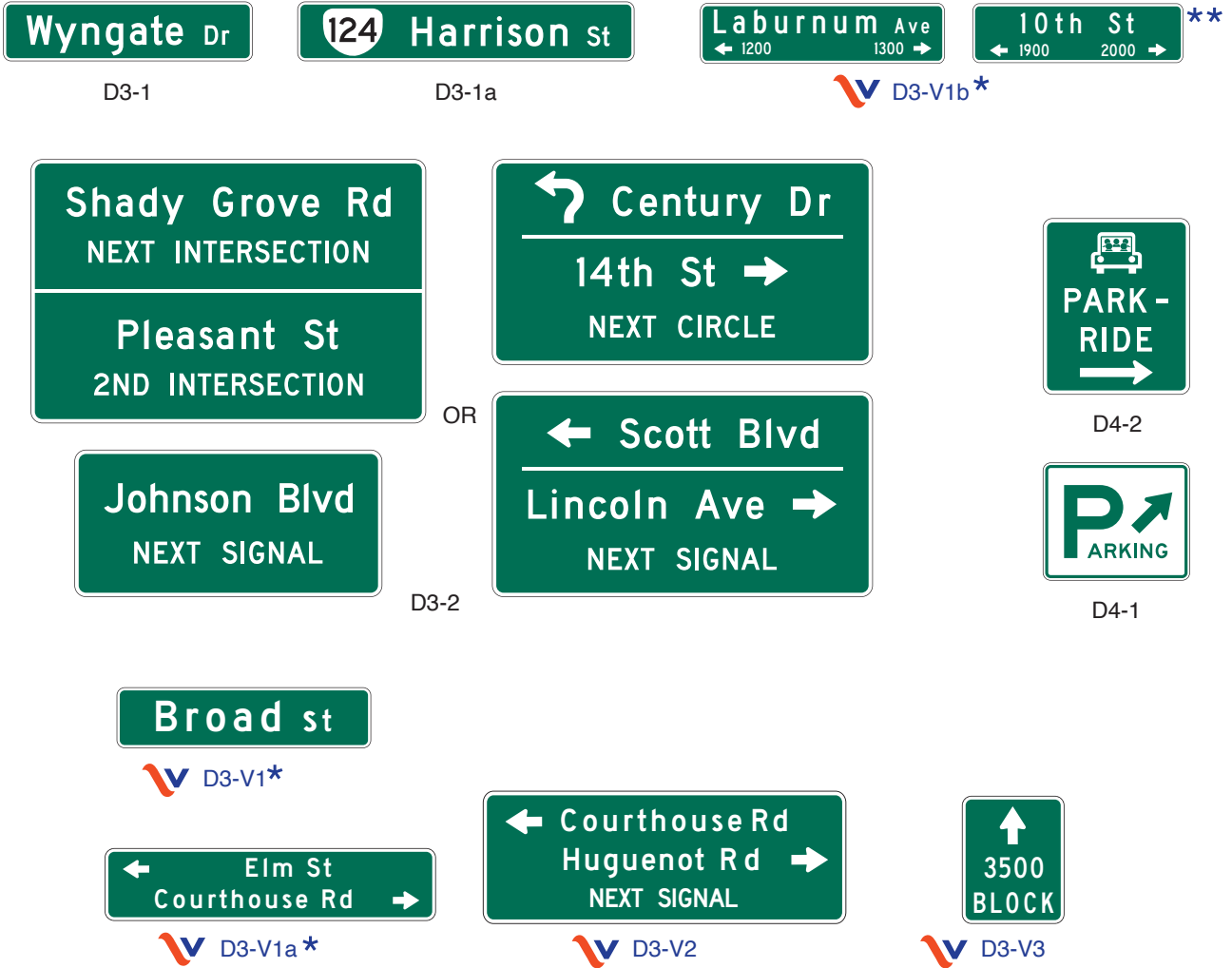


Figure 2D-14(VA). Street Name and Parking Signs



* These signs shall be mounted overhead.
 ** Alternate layout of D3-V1b sign for short street names.

Figure 2D-21. Example of Transposed Alignment Crossroad Guide Signing at a Diamond Interchange



Figure 2D-33. National Scenic Byways Sign and Plaque, and Examples of Use

A – National Scenic Byways sign and plaque



M10-1



M10-1aP

B – Examples of use of the National Scenic Byways sign and plaque



Independent
Directional
assembly



Independent
Confirming
assembly



Confirming
assembly

Figure 2D-V1. Virginia Byway Signs



D6-V1



D6-VP1



D6-VP2

Figure 2E-12. Examples of Exit Direction Signs

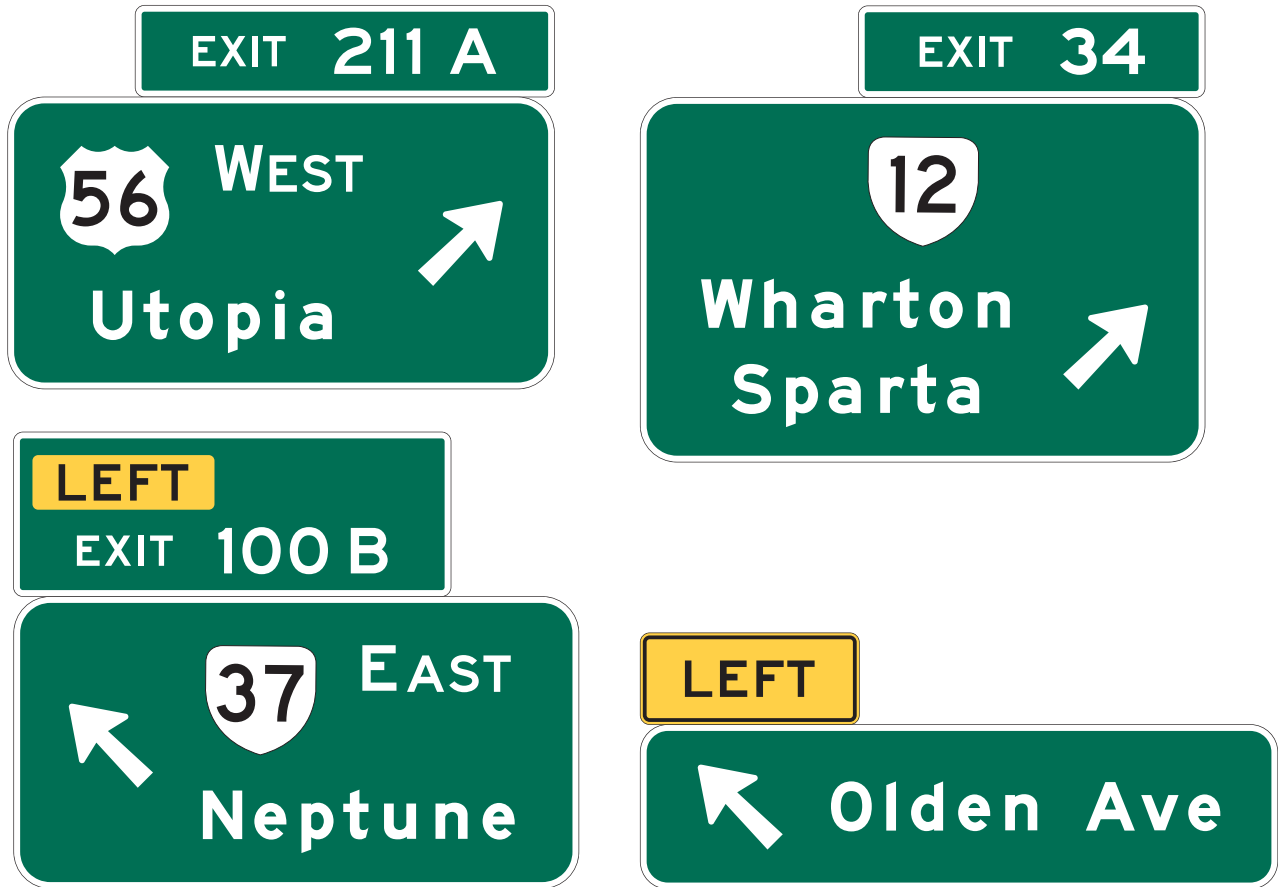


Figure 2E-19. Guide Signs for a Single-Lane Exit to the Right with a Dropped Lane

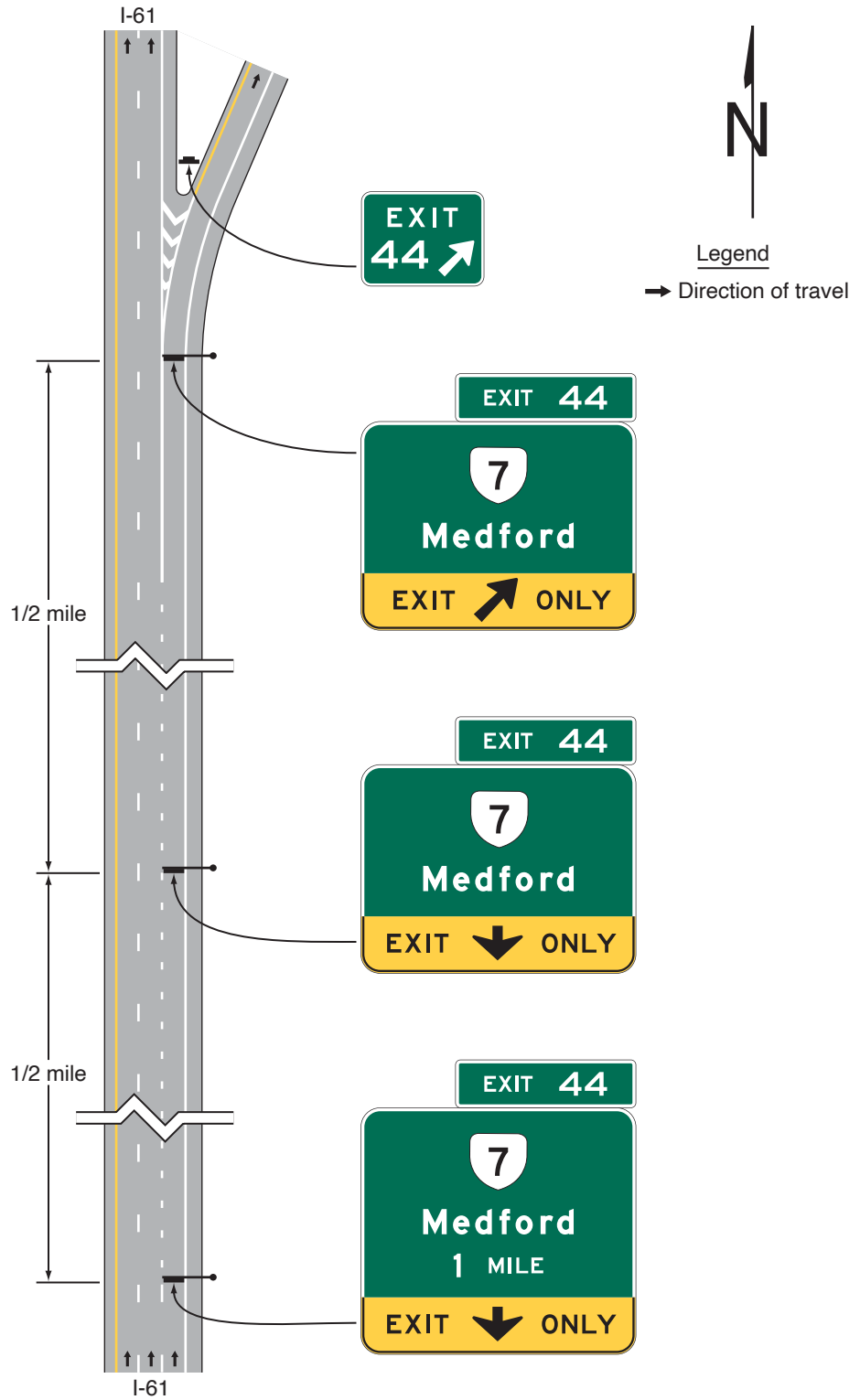


Figure 2E-22. Example of Guide Signs for an Auxiliary Lane of at Least One-Half Mile in Length

* See Section 2C.12 for information regarding Advisory Exit Speed signs

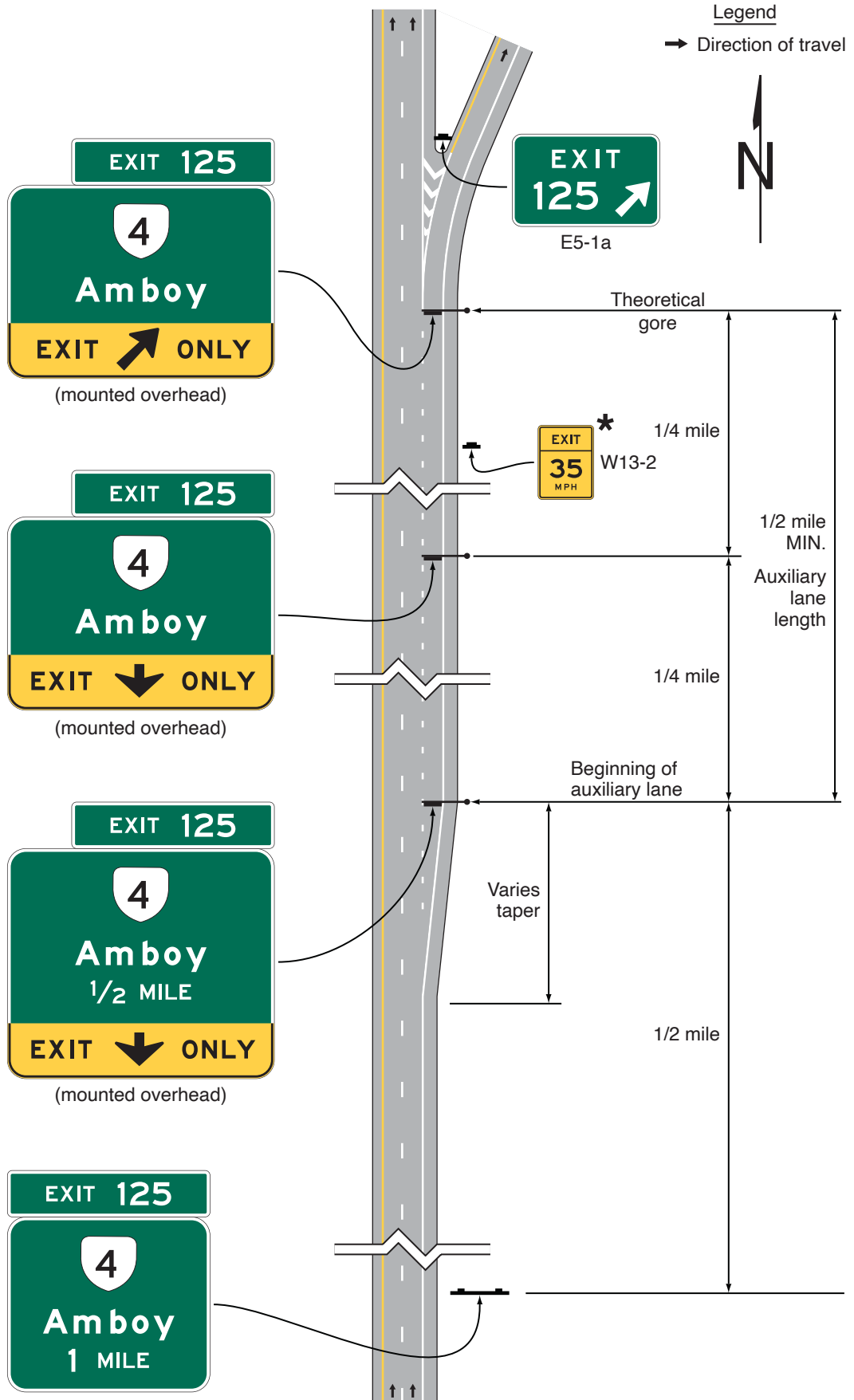


Figure 2E-23. Examples of Signing for Mainline Terminations within an Interchange



Figure 2E-25. Examples of Signing for an Interchange Exit Ramp with a Downstream Split (Sheet 1 of 2)

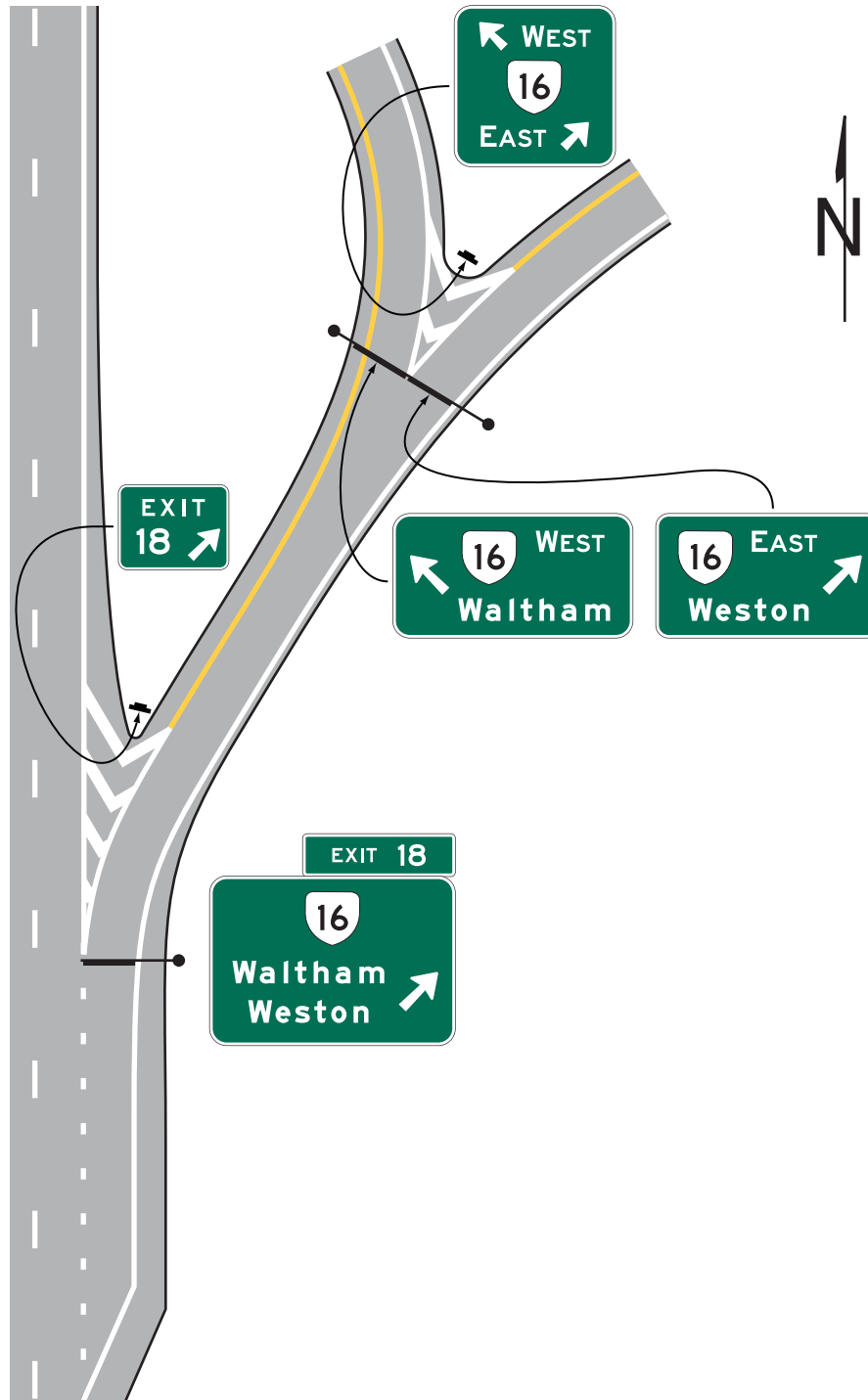


Figure 2E-25. Examples of Signing for an Interchange Exit Ramp with a Downstream Split (Sheet 2 of 2)

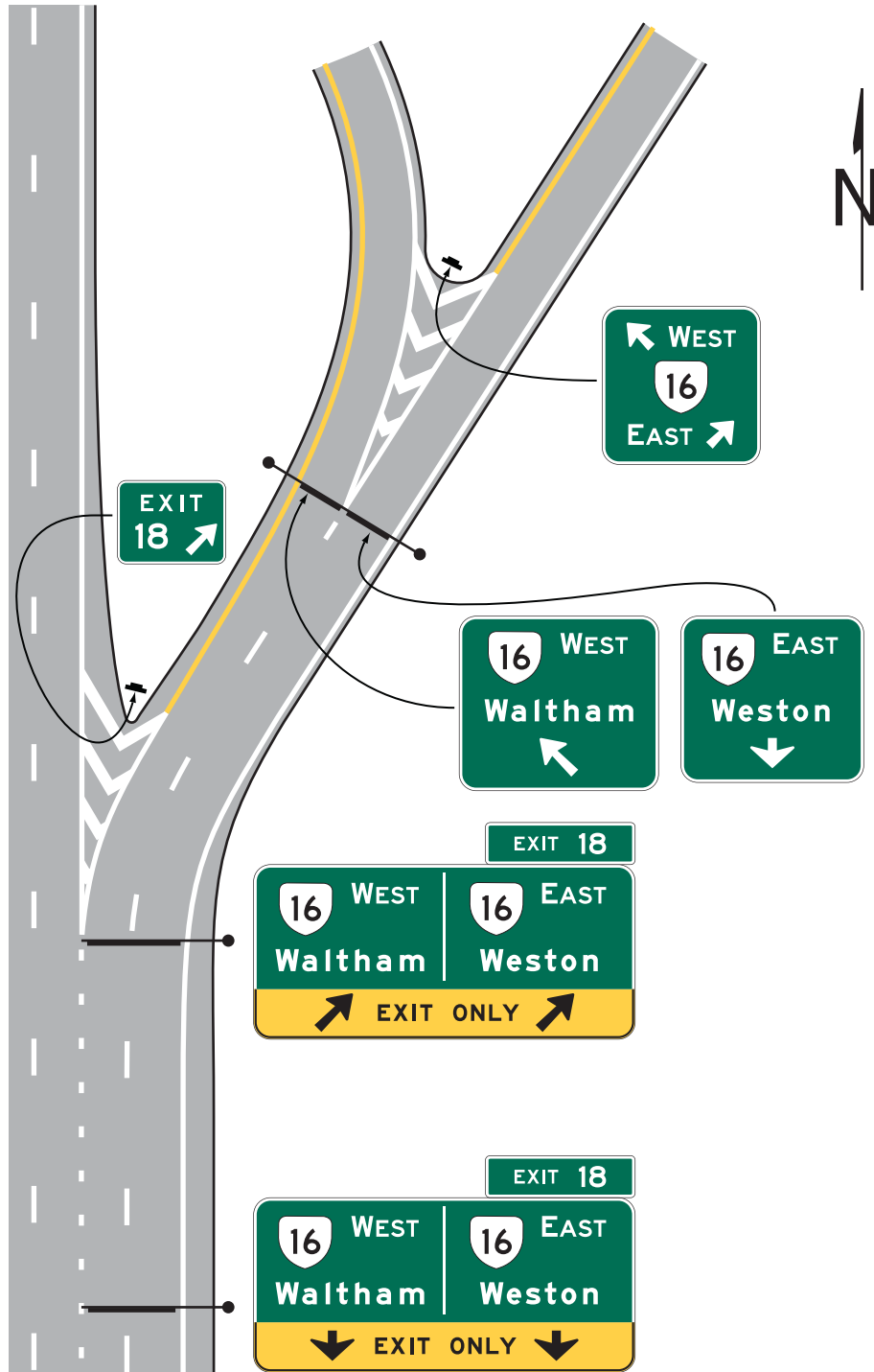
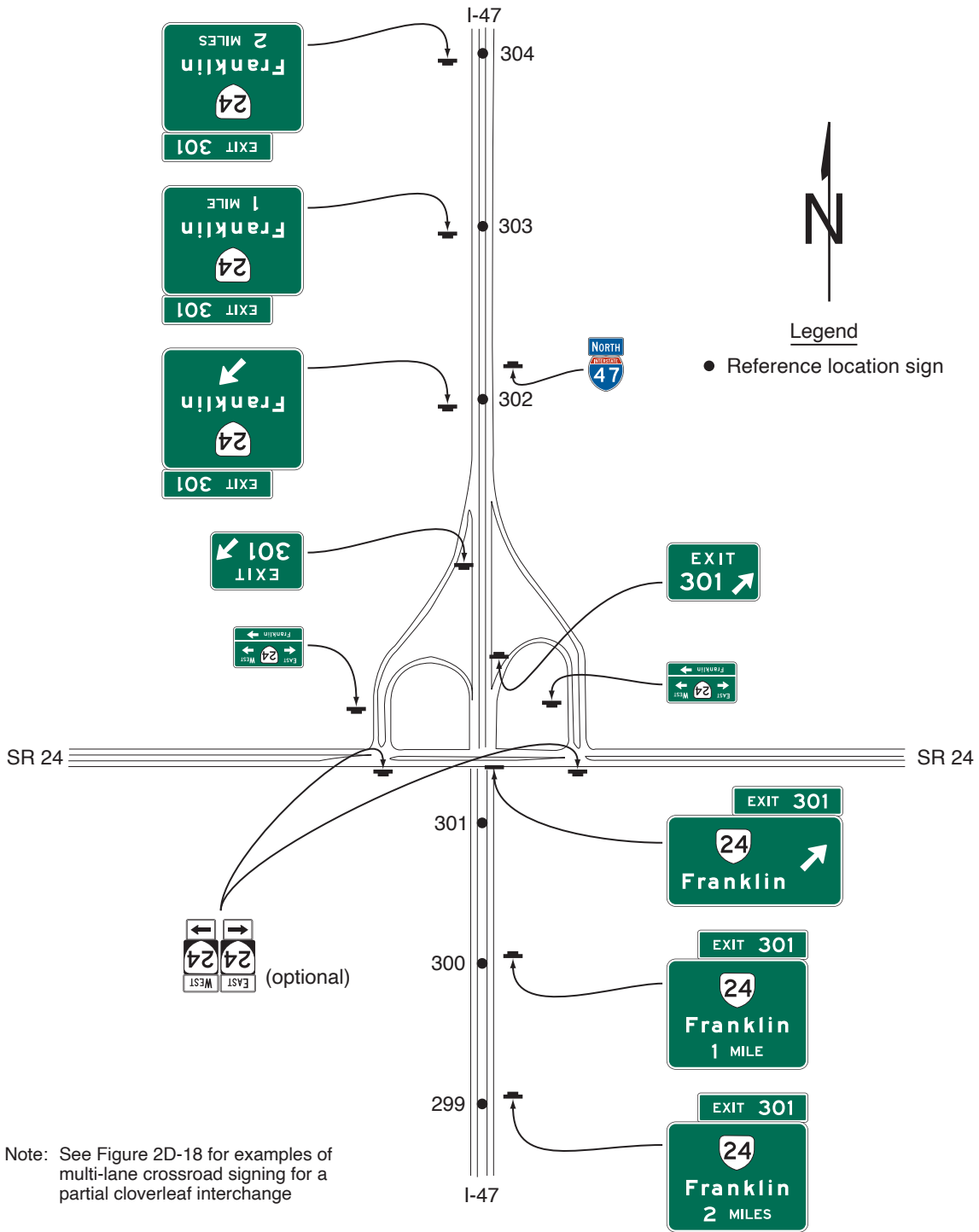


Figure 2E-31. Example of Guide Signs for a Partial Cloverleaf Interchange



Note: See Figure 2D-18 for examples of multi-lane crossroad signing for a partial cloverleaf interchange

Figure 2E-32. Examples of Guide Signs for Successive Interchanges with Collector-Distributor Roadways (Sheet 1 of 2)

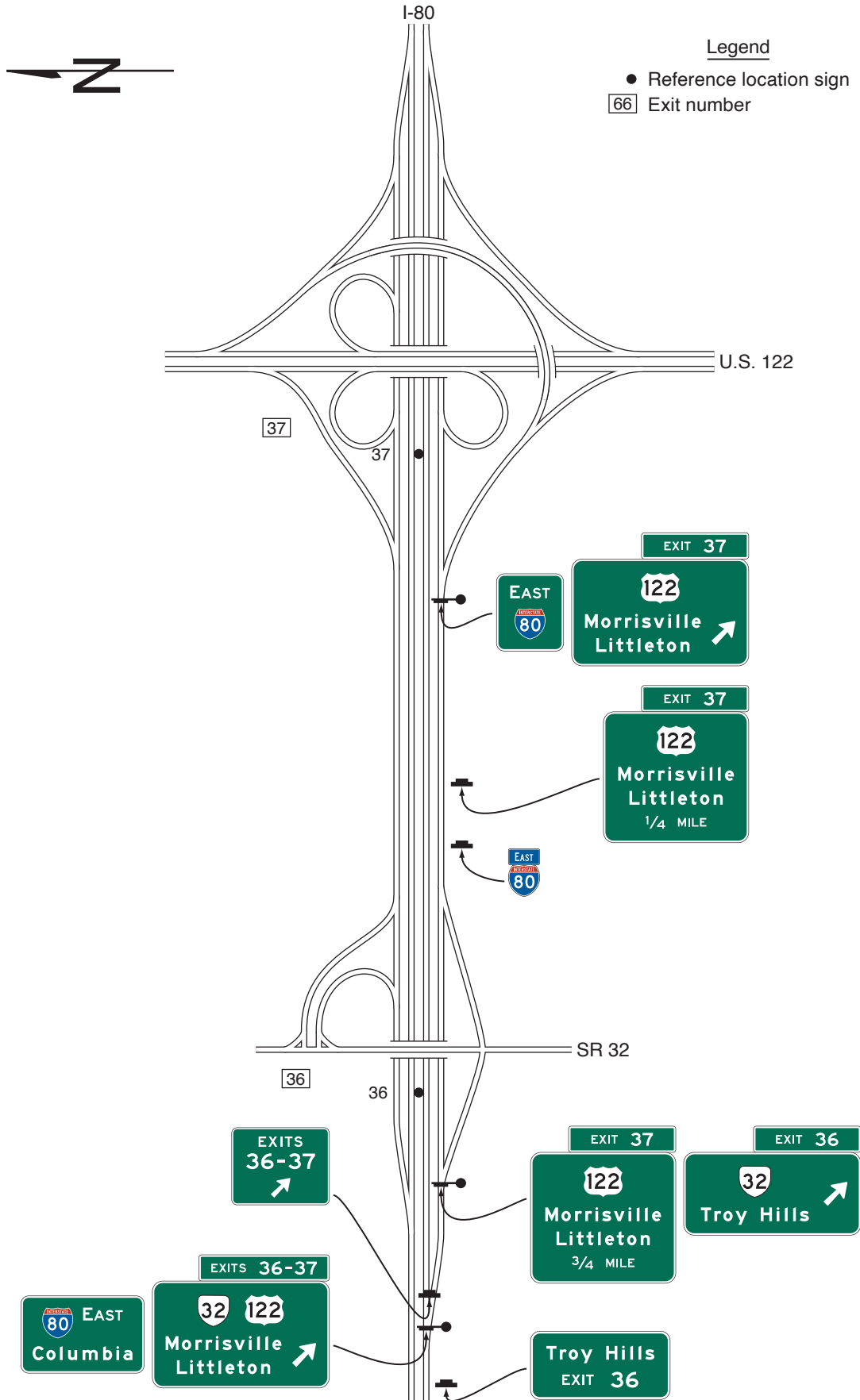


Figure 2E-35. Example of an Overhead Arrow-per-Lane Guide Sign for a Multi-Lane Exit with an Option Lane



Figure 2E-36. Example of Overhead Arrow-per-Lane Guide Signs for a Two-Lane Exit to the Right with an Option Lane

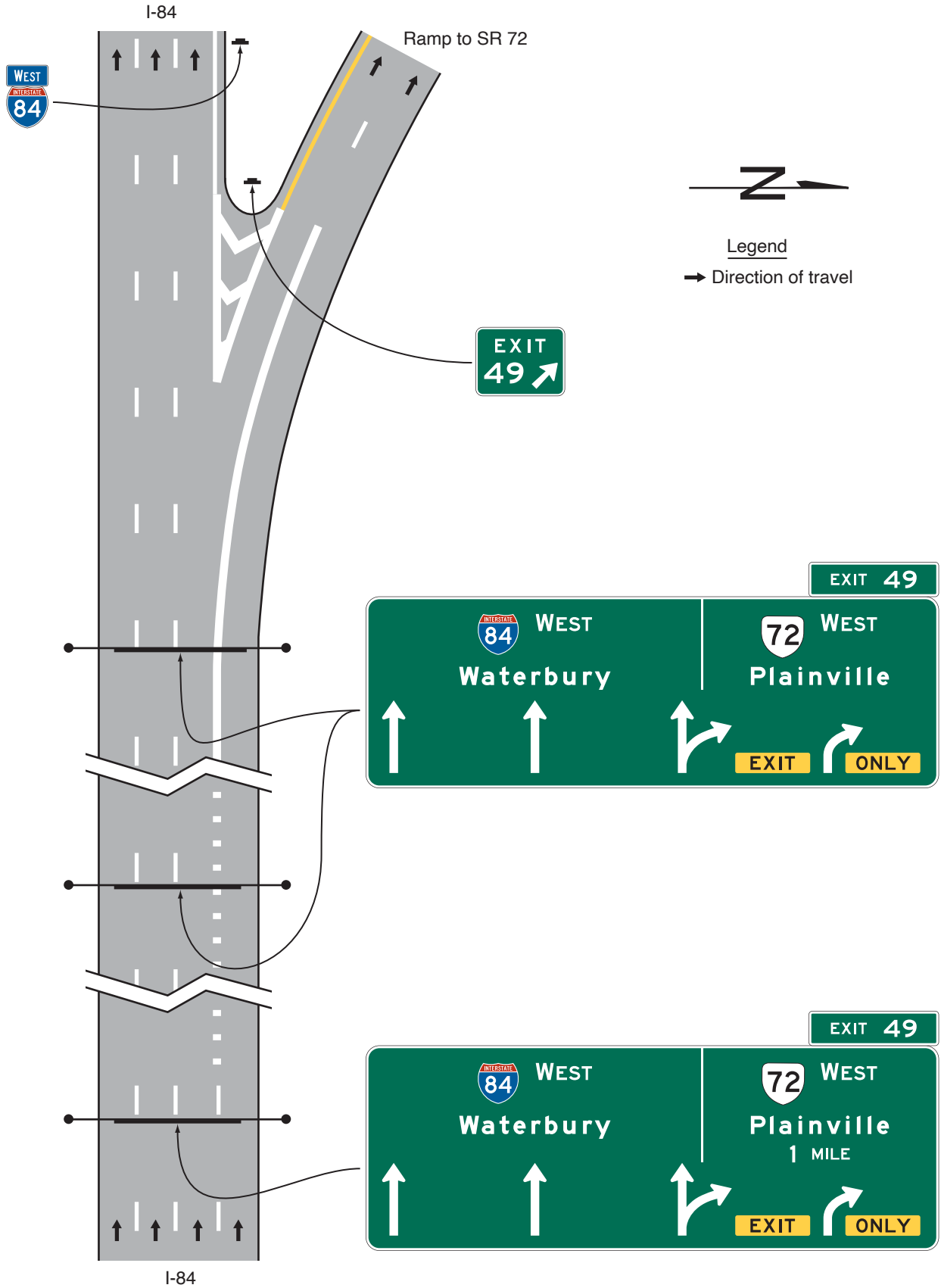


Figure 2E-43. Example of a Partial-Width Overhead Arrow-per-Lane Guide Sign for Intermediate or Minor Interchanges



Figure 2E-44. Example of Signing for a Two-Lane Intermediate or Minor Interchange Exit with an Option Lane and a Dropped Lane using Partial-Width Overhead Arrow-per-Lane Signs

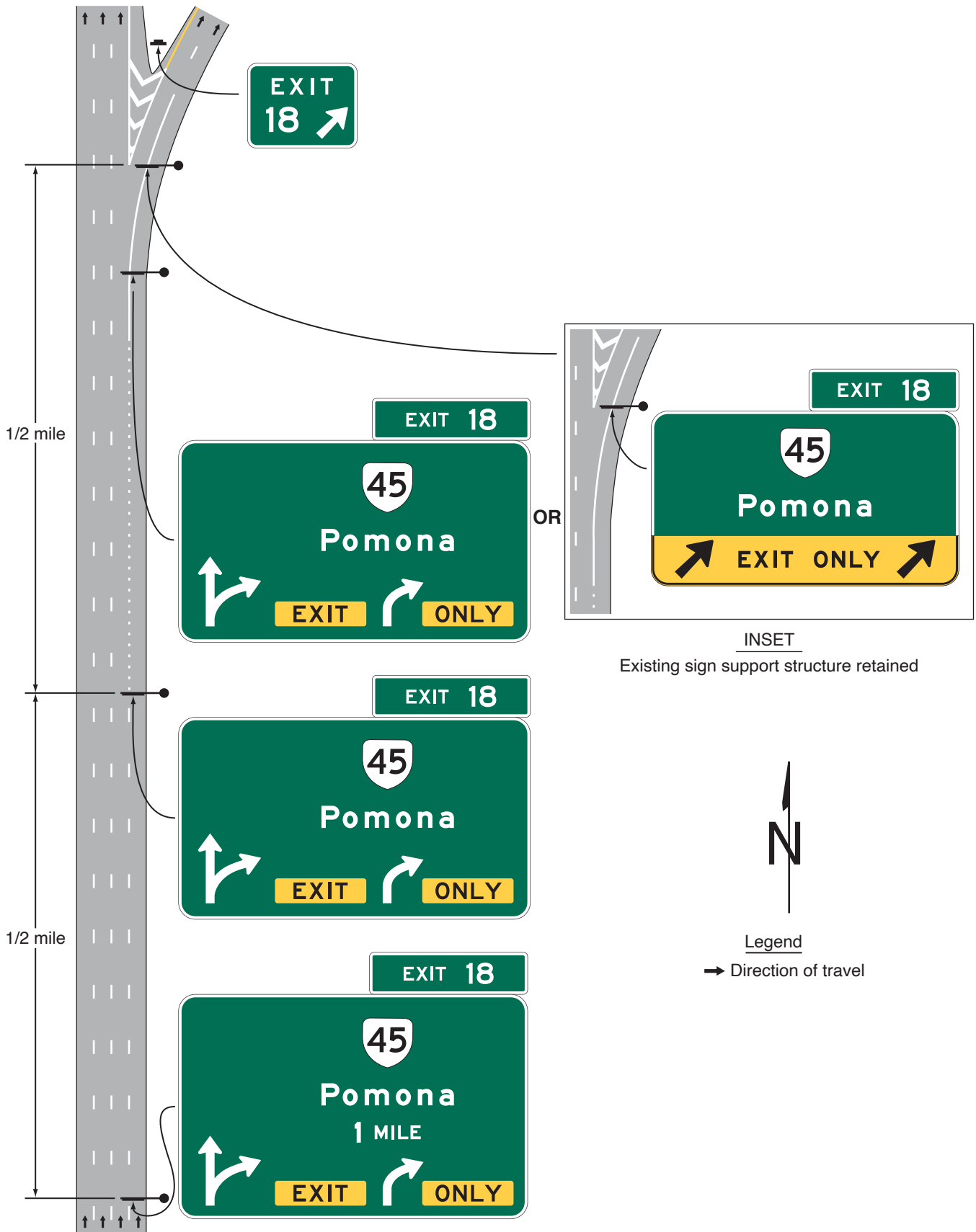


Figure 2E-46. Example of Signing for a Two-Lane Intermediate or Minor Interchange Exit with an Option Lane and a Dropped Lane

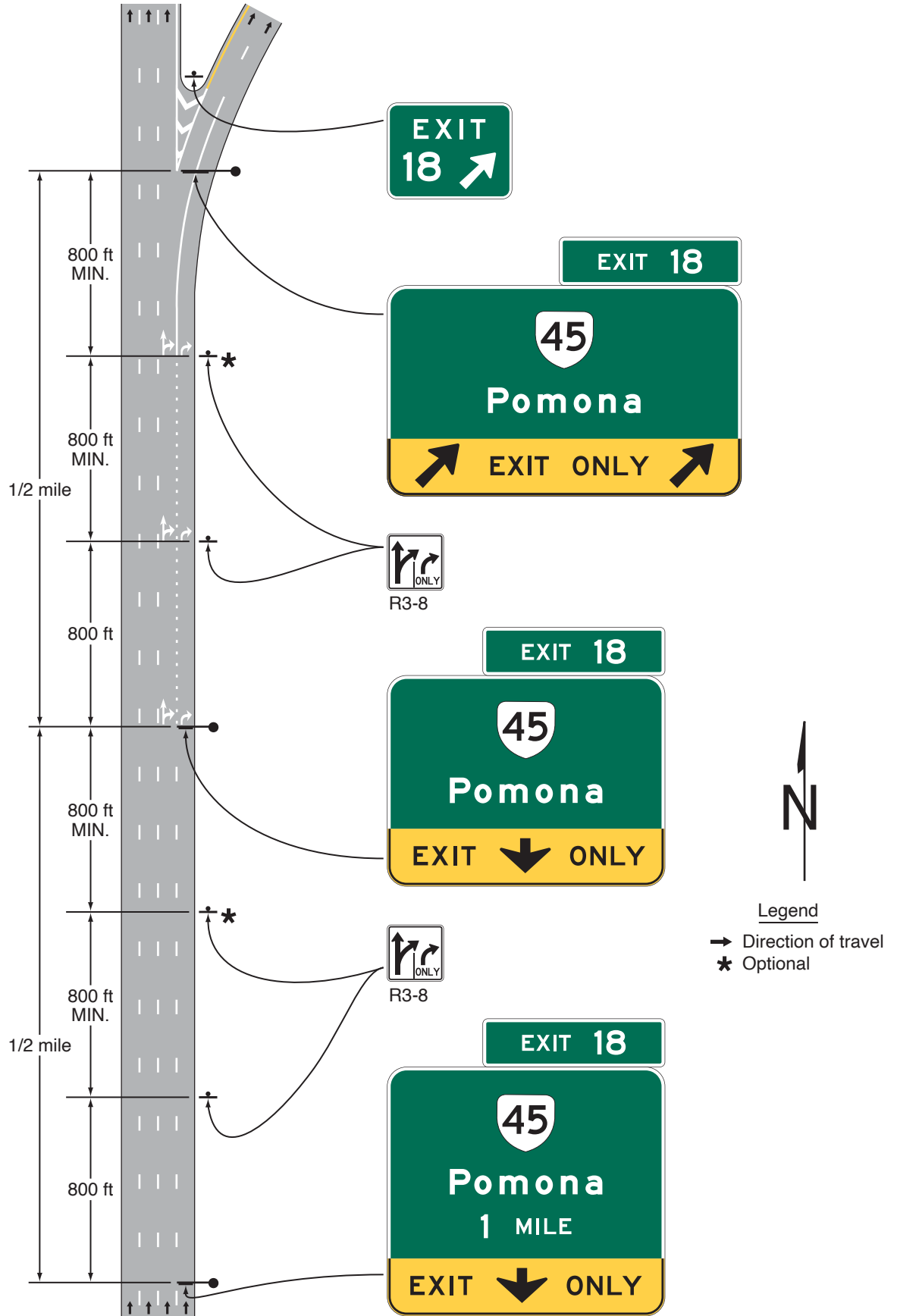
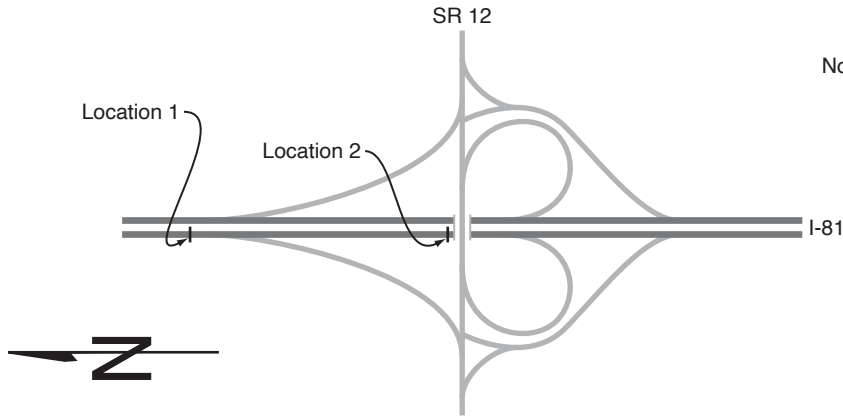
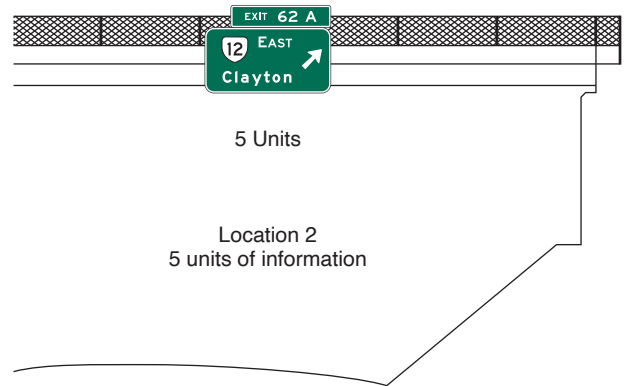
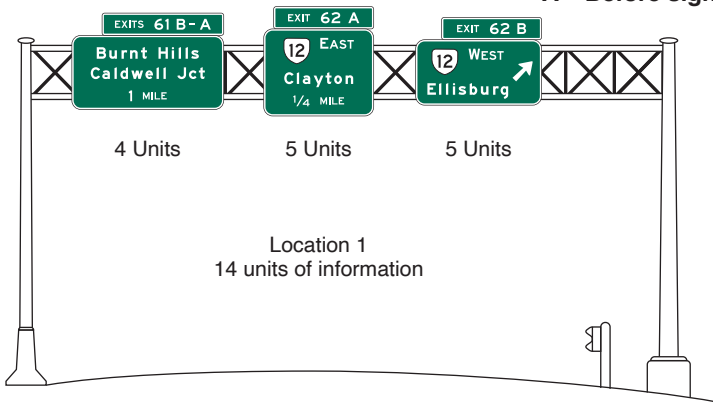


Figure 2E-48. Example of Sign Spreading



Note: The signs at Locations 1 and 2 are facing southbound traffic.

A – Before sign spreading



B – After sign spreading

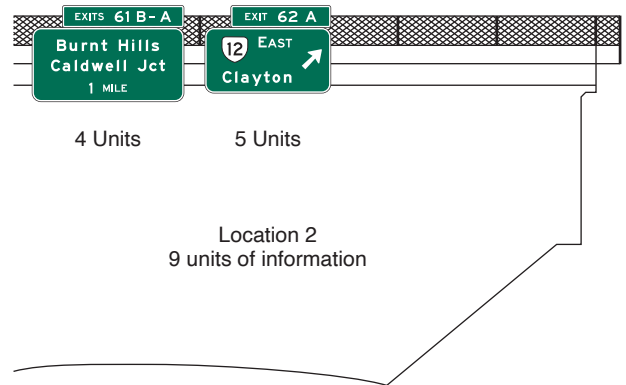
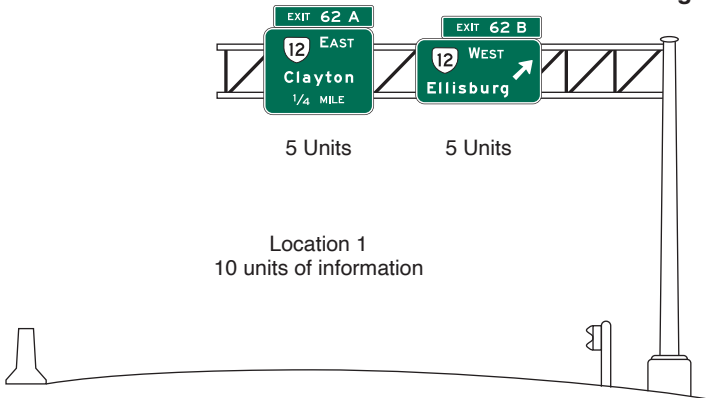
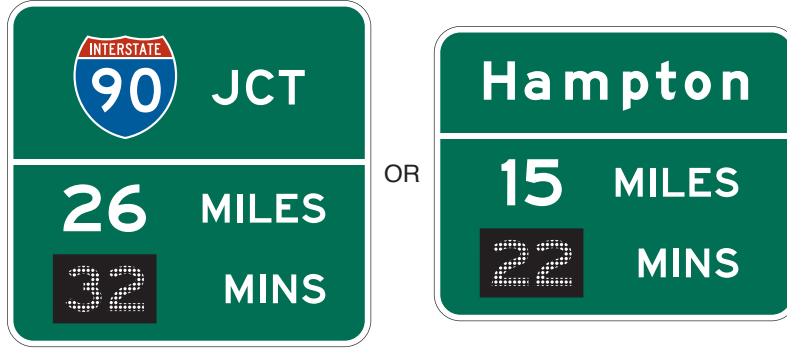


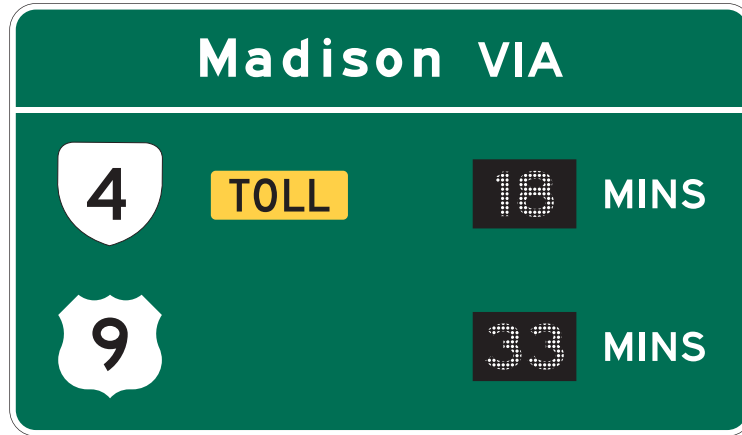
Figure 2E-52. Examples of Travel Time Signs

A – Distance and Travel Time signs



E7-5

B – Comparative Travel Time sign



E7-6

Figure 2E-60(VA). Interstate, Off-Interstate, U.S. Route, Virginia Primary Route, and Virginia Circular Secondary Route Signs

FOR GUIDE SIGN AND INDEPENDENT USE



M1-1

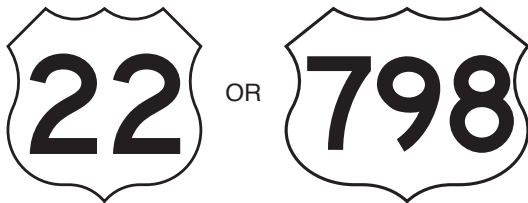


M1-2



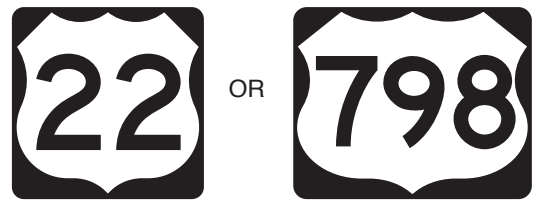
M1-3

FOR GUIDE SIGN USE



M1-4

FOR INDEPENDENT USE



 M1-V1b



 M1-V1d



 M1-V1a



 M1-V1c



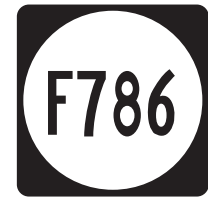
 M1-V2b



 M1-V2d



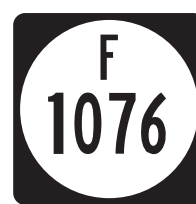
 M1-V2a



 M1-V2c



 M1-V2f

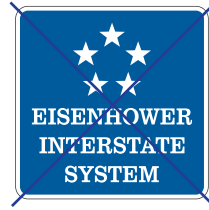


 M1-V2e

Figure 2E-61(VA). Eisenhower Interstate System Signs



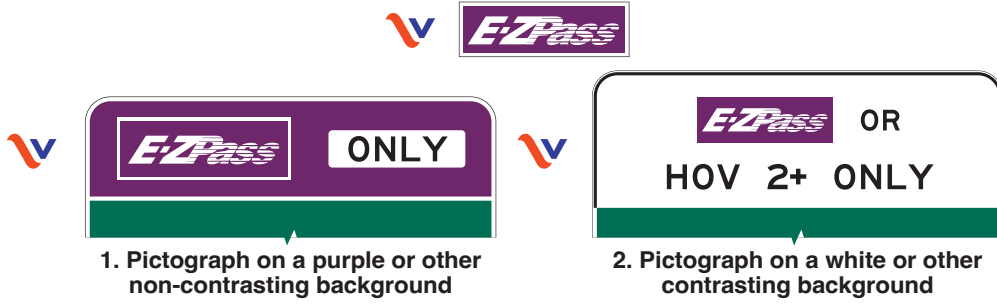
M1-10



 M1-10a

Figure 2F-1(VA). Examples of ETC Account Pictographs and Use of Purple Backgrounds and Underlay Panels

A – Pictograph design with a purple background and a white contrasting border



B – Pictograph design with a background color other than purple, shown in a purple underlay panel with a white contrasting border

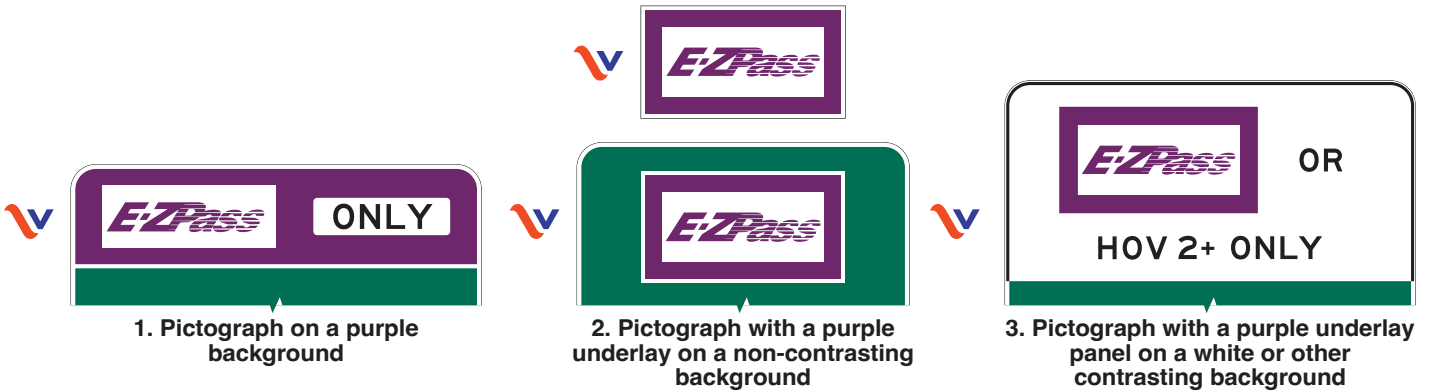
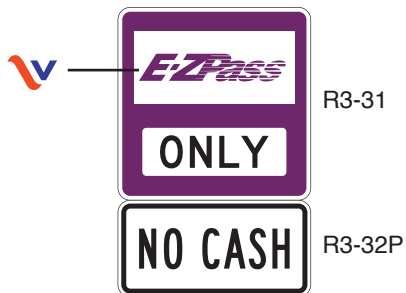
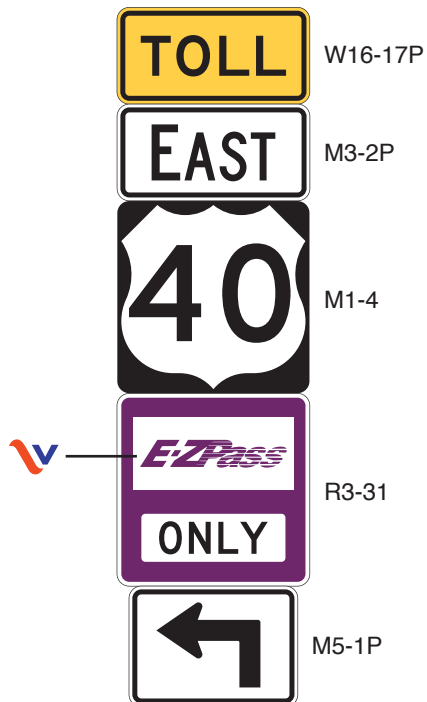


Figure 2F-3(VA). ETC Account-Only Auxiliary Signs for Use in Route Sign Assemblies



Note: The ETC pictograph shown is an example only. The pictograph for the toll facility's adopted ETC system shall be used.



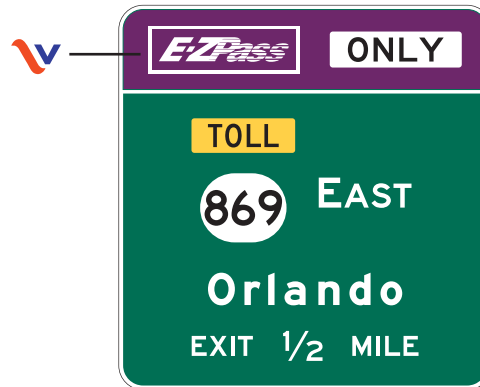
Example route sign assembly

Figure 2F-8(VA). Examples of Guide Signs for Entrances to Toll Highways or Ramps

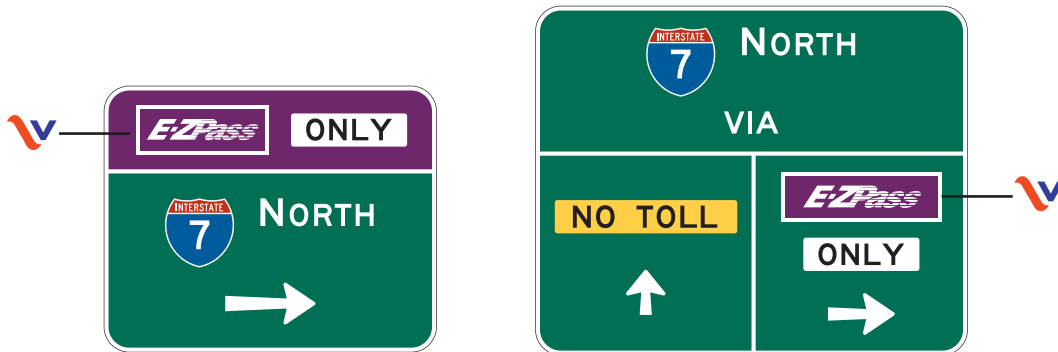
A – Entrance to a toll highway on which registration in a toll account program is not required



B – Entrance to an ETC Account-Only toll highway or entrance to a toll highway via an ETC Account-Only ramp



C – Entrance to a non-toll highway via an ETC Account-Only toll entrance ramp



(the toll entrance is the only connection provided in the vicinity)

(an alternate non-toll entrance is provided in the vicinity)

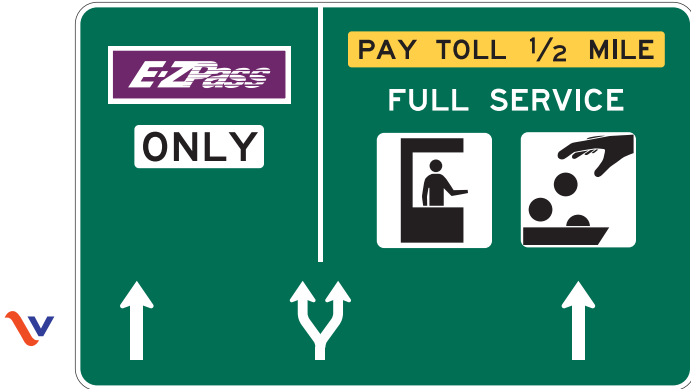
Note: The ETC pictographs shown are examples only. The pictograph for the toll facility's adopted ETC system shall be used.

Figure 2F-9(VA). Examples of Conventional Toll Plaza Advance Signs

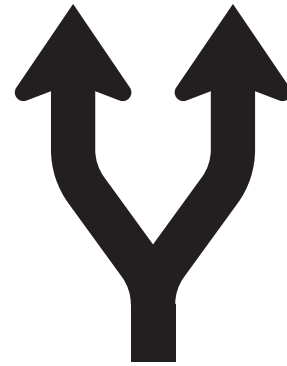


Note: The ETC pictograph that is shown is only an example. The pictograph for the toll facility's adopted ETC system shall be used.

Figure 2F-10(VA). Example of an Overhead Arrow-per-Lane Guide Sign and Arrow for a Split with an Option Lane



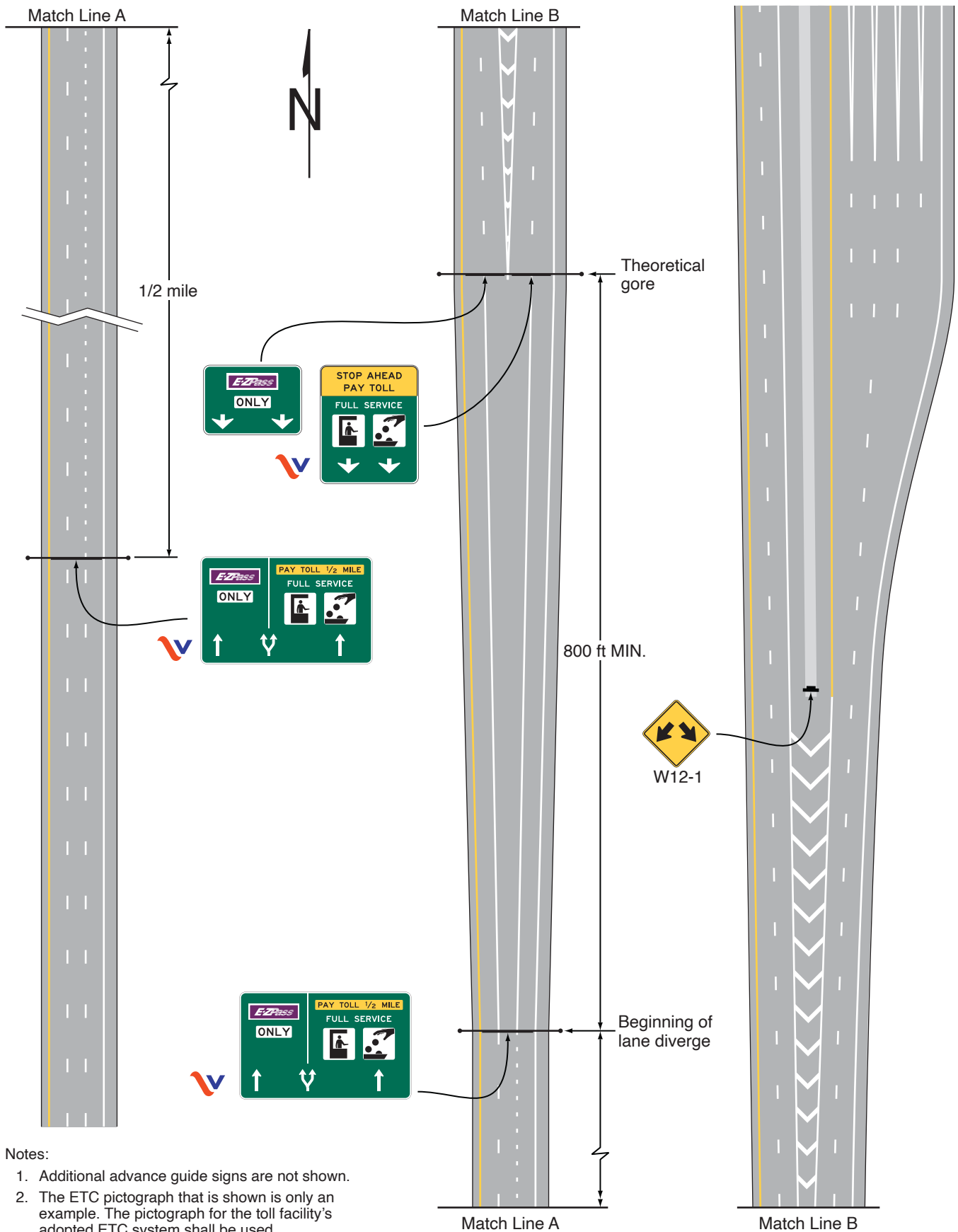
Example of an Overhead Arrow-per-Lane guide sign for a split with an option lane



Arrow for the option lane (see the "Virginia Standard Highway Signs" publication for details)

Note: The ETC pictograph that is shown is only an example. The pictograph for the toll facility's adopted ETC system shall be used.

Figure 2F-11(VA). Examples of Guide Signs for a Split with an Option Lane for a Mainline Toll Plaza on a Diverging Alignment from Open-Road ETC Lanes



Notes:

1. Additional advance guide signs are not shown.
2. The ETC pictograph that is shown is only an example. The pictograph for the toll facility's adopted ETC system shall be used.

Figure 2F-12(VA). Examples of Guide Signs for the Entrance to a Toll Highway on which Tolls are Collected Electronically Only (Sheet 1 of 3)

A – All tolls are billed through a license plate character recognition system

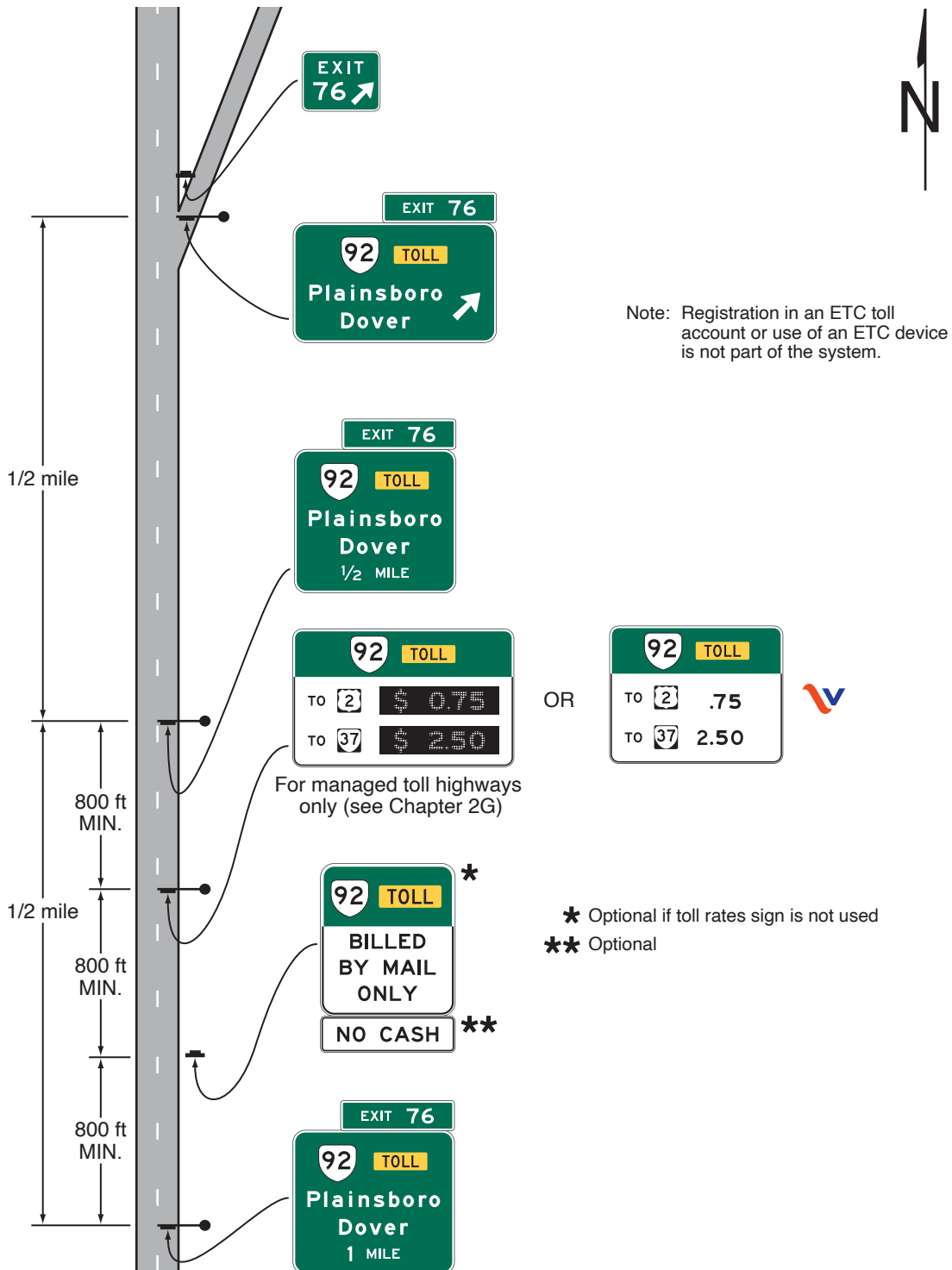
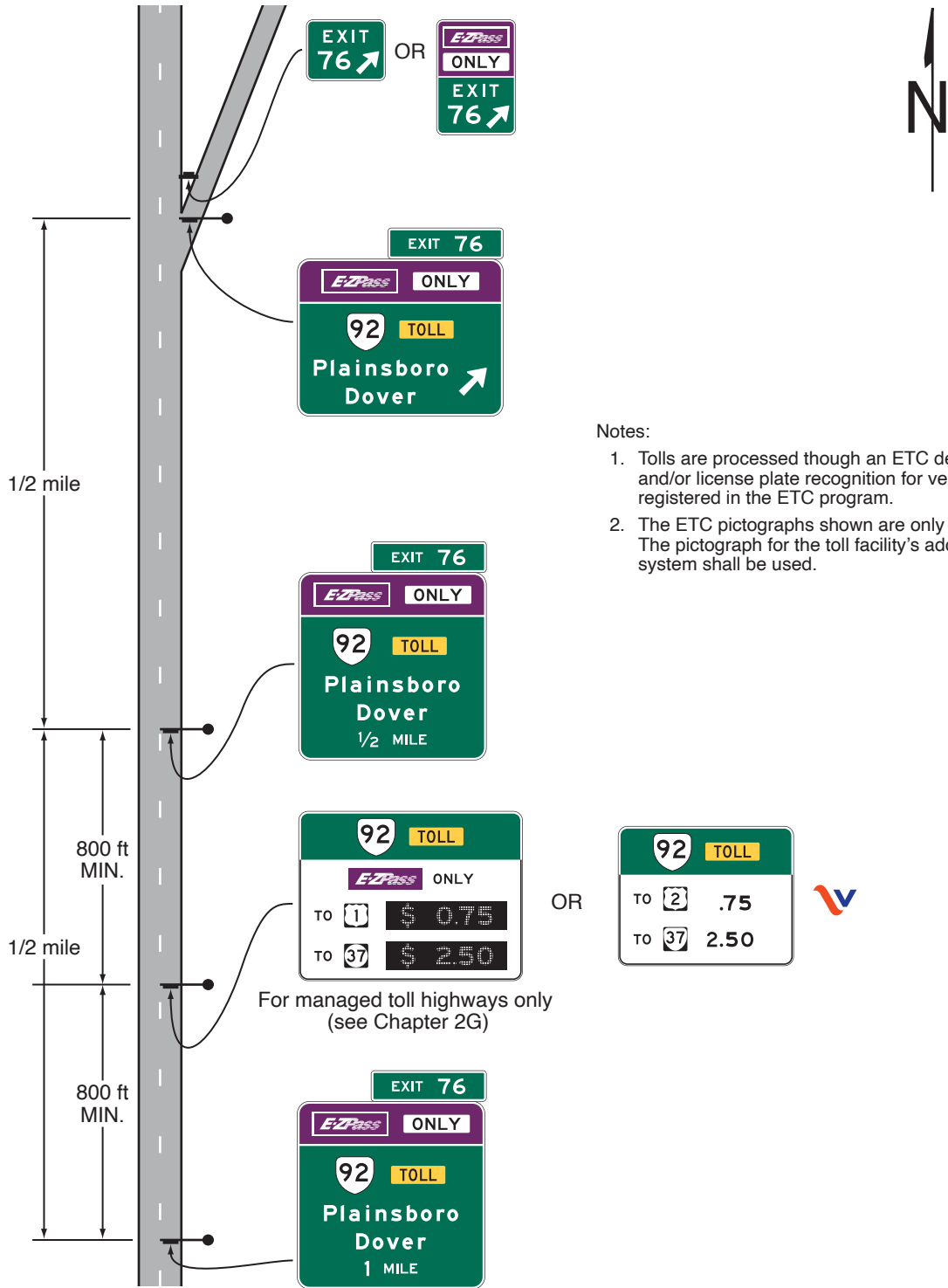


Figure 2F-12(VA). Examples of Guide Signs for the Entrance to a Toll Highway on which Tolls are Collected Electronically Only (Sheet 2 of 3)

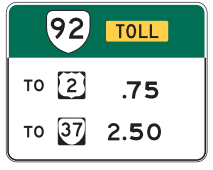
B – Registration in an ETC account program is required for using the tollway



Notes:

1. Tolls are processed through an ETC device and/or license plate recognition for vehicles registered in the ETC program.
2. The ETC pictographs shown are only examples. The pictograph for the toll facility's adopted ETC system shall be used.

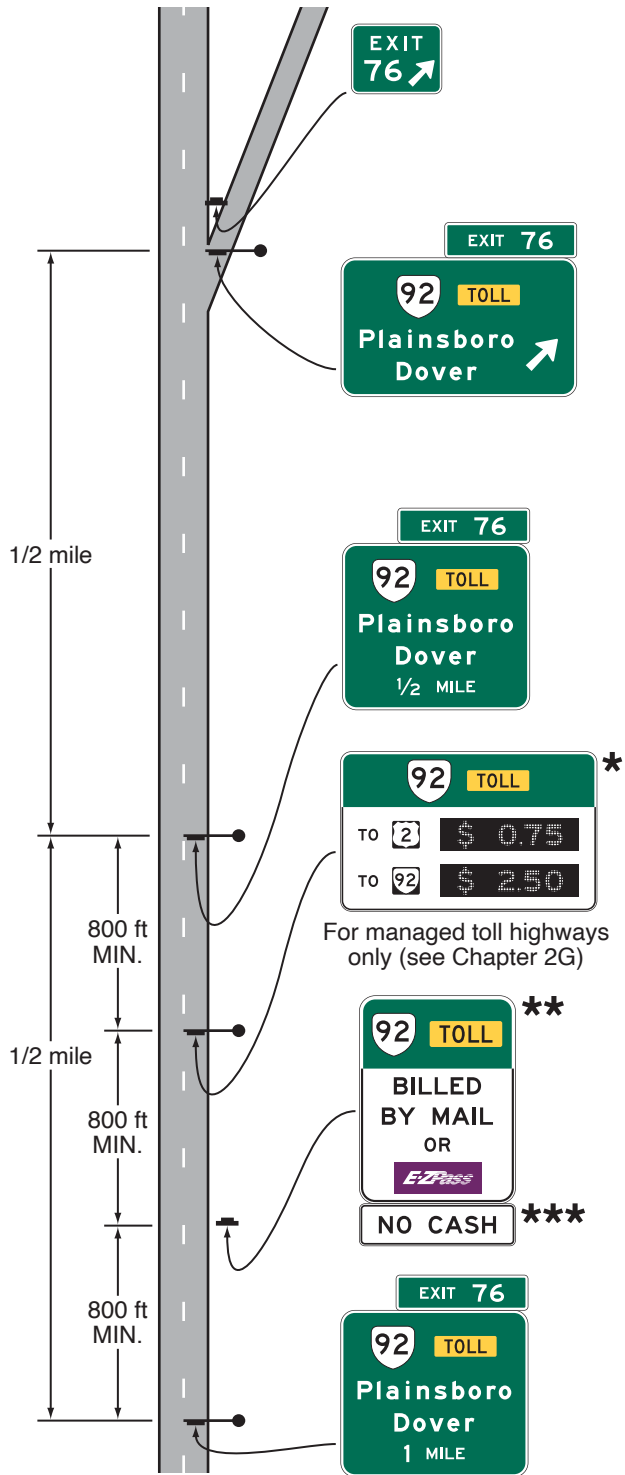
OR



For managed toll highways only
(see Chapter 2G)

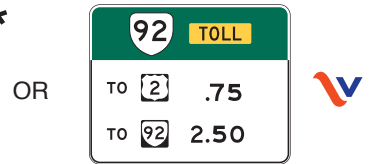
Figure 2F-12(VA). Examples of Guide Signs for the Entrance to a Toll Highway on which Tolls are Collected Electronically Only (Sheet 3 of 3)

C – Tolls are billed through either a license plate character recognition system or an ETC account device



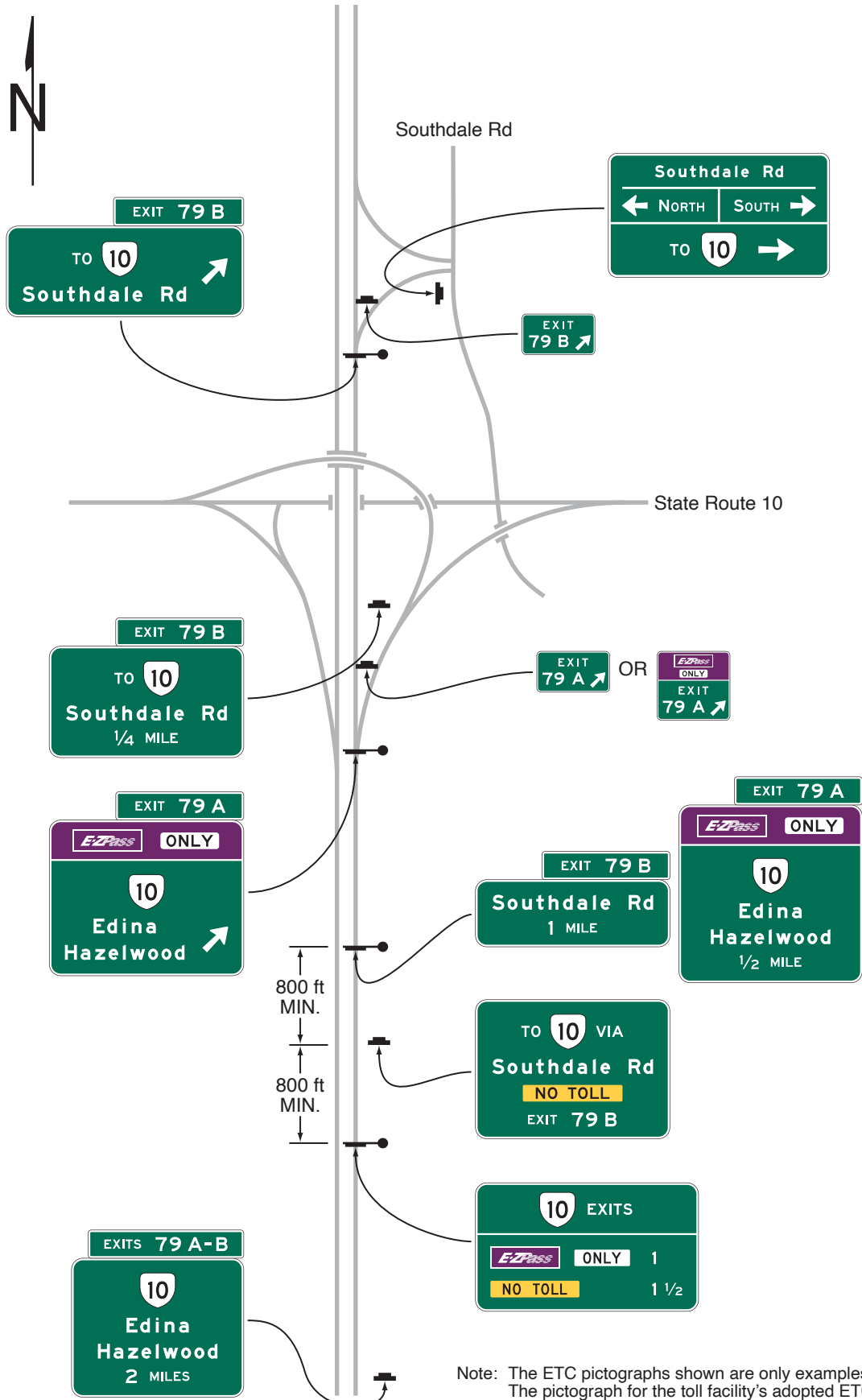
Notes:

1. Registration in an ETC account is not required. Vehicles registered in a toll account program may receive a discounted toll rate.
2. The ETC pictographs shown are only examples. The pictograph for the toll facility's adopted ETC system shall be used.



- * Show only non-discounted rates
- ** Optional if toll rates sign is not used
- *** Optional

Figure 2F-13(VA). Examples of Guide Signs for Alternative Toll and Non-Toll Ramp Connections to a Non-Toll Highway



Note: The ETC pictographs shown are only examples. The pictograph for the toll facility's adopted ETC system shall be used.

Figure 2F-14(VA). Examples of Mainline Toll Plaza Approach and Canopy Signing

**A – All toll plaza lanes attended
(no automatic or electronic collection equipment)**

B – Exact change and attended toll lanes

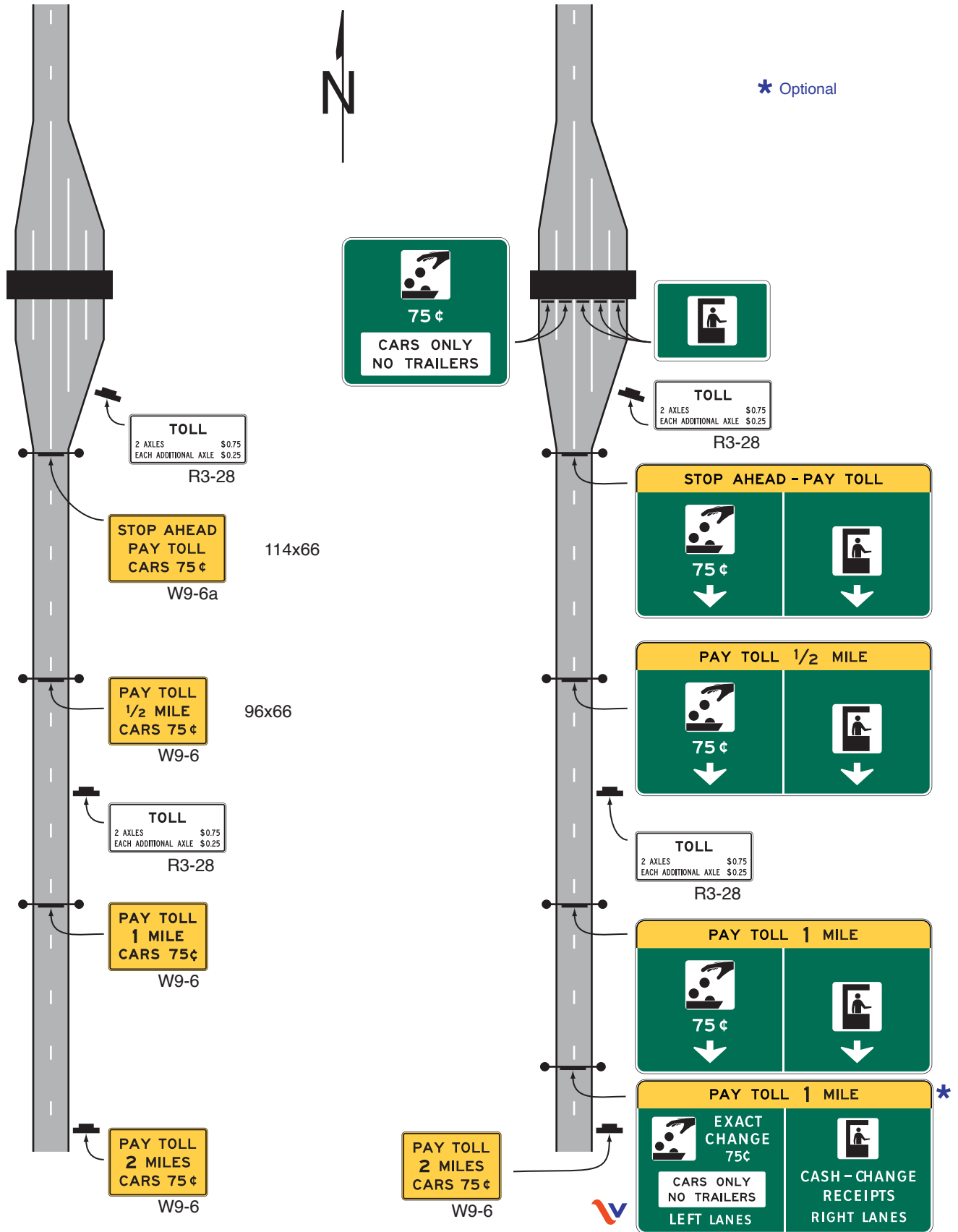
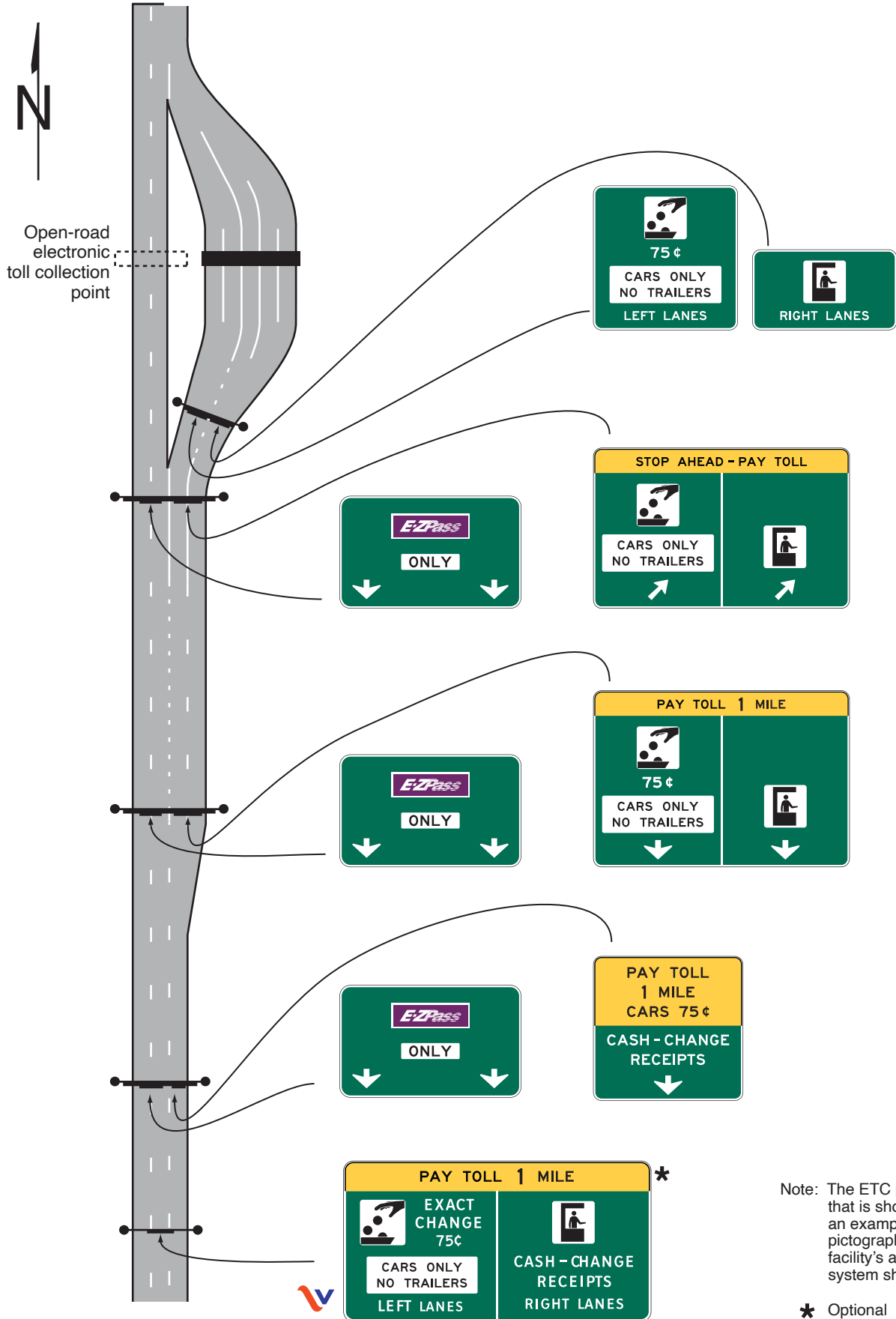


Figure 2F-15(VA). Examples of Guide Signs for a Mainline Toll Plaza on a Diverging Alignment from Open-Road ETC Lanes



Note: The ETC pictograph that is shown is only an example. The pictograph for the toll facility's adopted ETC system shall be used.

* Optional

Figure 2F-16(VA). Examples of Toll Plaza Canopy Signs



Attended lane with an M4-17 Toll Collector symbol



Exact Change or ETC Account lane with an M4-18 Exact Change symbol



ETC Account-Only lane

- * Optional flashing yellow beacons that are separated from any lane-use control signals for the lane (see Section 2F.16)
- ** The ETC pictographs that are shown are only examples. The pictograph for the toll facility's adopted ETC system shall be used.

Figure 2G-13(VA). Examples of Signs for an Intermediate Egress from a Barrier-Separated or Buffer-Separated HOV Lane

Notes:

1. For an exit on the left-hand side from an HOV lane, the same signing sequence would be used with adjustments made to sign messages
2. Geometry is for illustrative purposes only; use locally applied geometric criteria
3. The minimum vehicle occupancy requirement and hours of operation on the sign may vary for each facility
4. See Chapter 3E for pavement markings
5. Warning signs are not shown

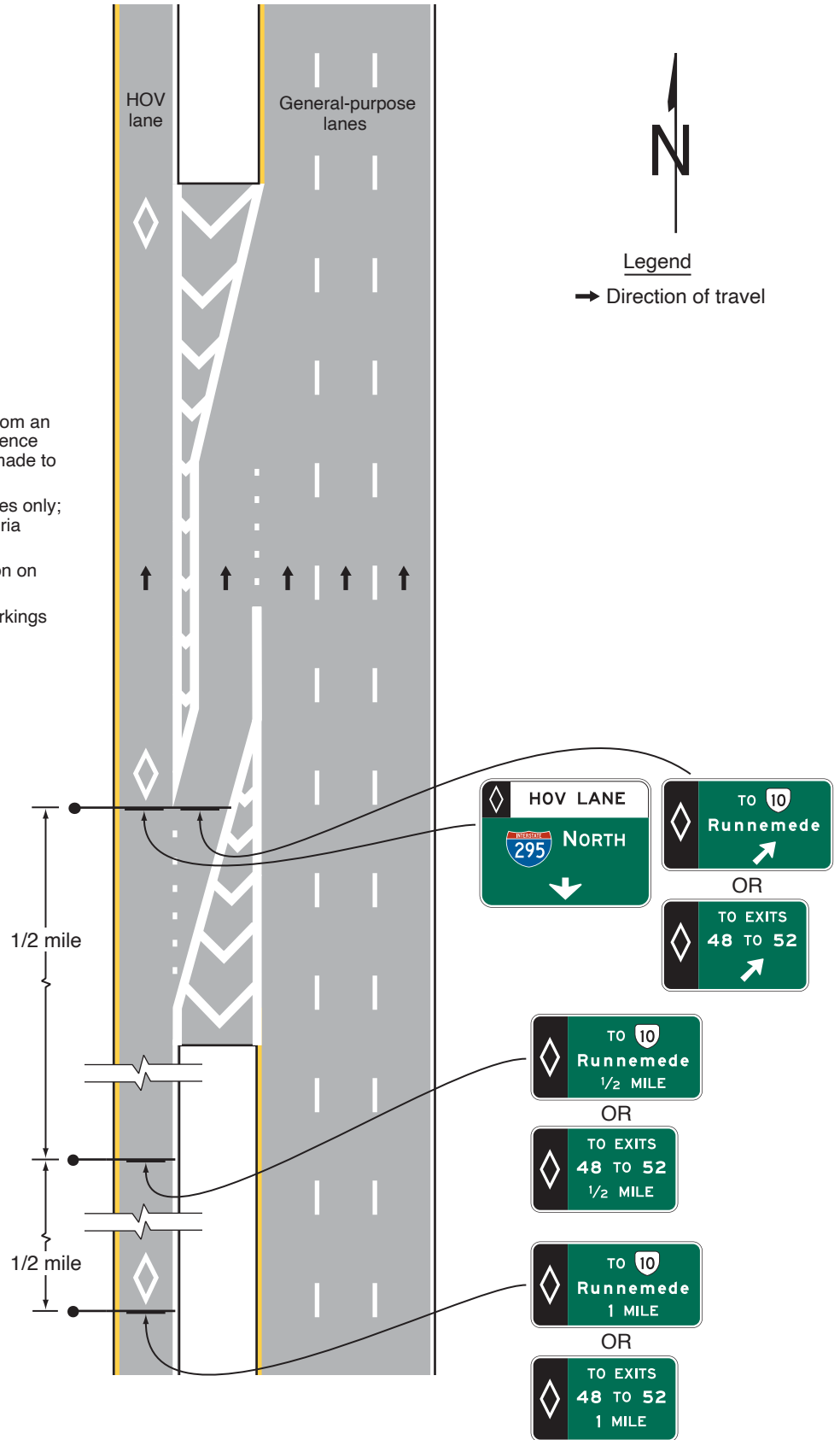
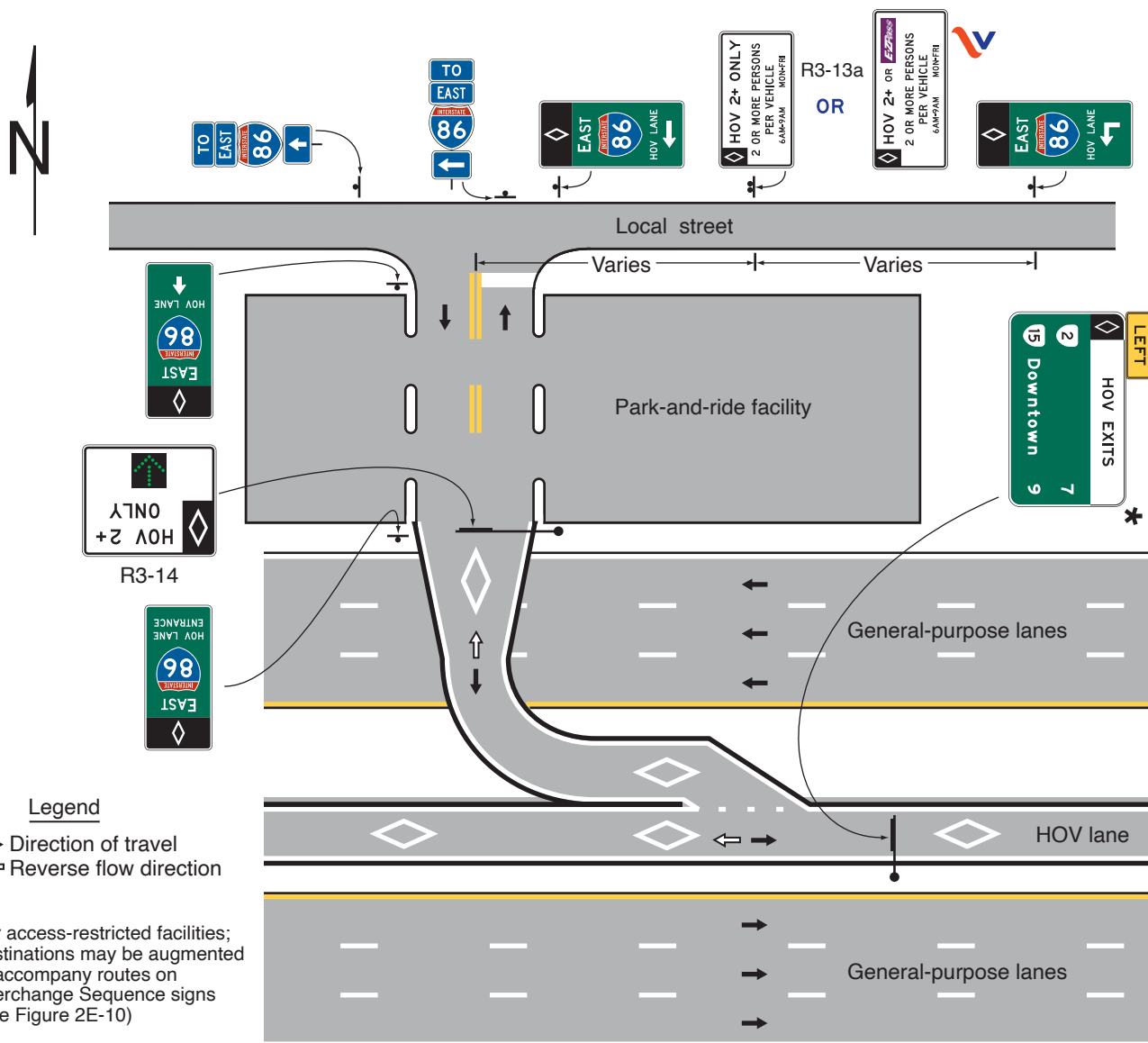


Figure 2G-14(VA). Example of Signing for a Direct Entrance Ramp to an HOV Lane from a Park-and-Ride Facility and a Local Street



Legend
 → Direction of travel
 ⇐ Reverse flow direction

* For access-restricted facilities; destinations may be augmented to accompany routes on Interchange Sequence signs (see Figure 2E-10)

Notes:

1. The minimum vehicle occupancy requirement on the sign may vary for each facility
2. See Chapter 3E for pavement markings
3. Warning signs are not shown
4. Sign locations are approximate
5. Additional signs may be required to direct drivers from the surrounding streets into the park-and-ride lot and the HOV lane
6. Additional signs are required on the adjoining surface streets to inform non-HOVs that they should not enter the HOV facility
7. This figure illustrates a reversible HOV lane with a direct access ramp
8. The guide signs directing local street traffic to the HOV lane should include the word ENTRANCE when the direct access ramp does not traverse a park-and-ride facility
9. Variable DO NOT ENTER, WRONG WAY signs, and gates may also be needed for reversible operations.

Figure 2G-16(VA). Examples of Guide Signs for Direct HOV Lane Entrance and Exit Ramps

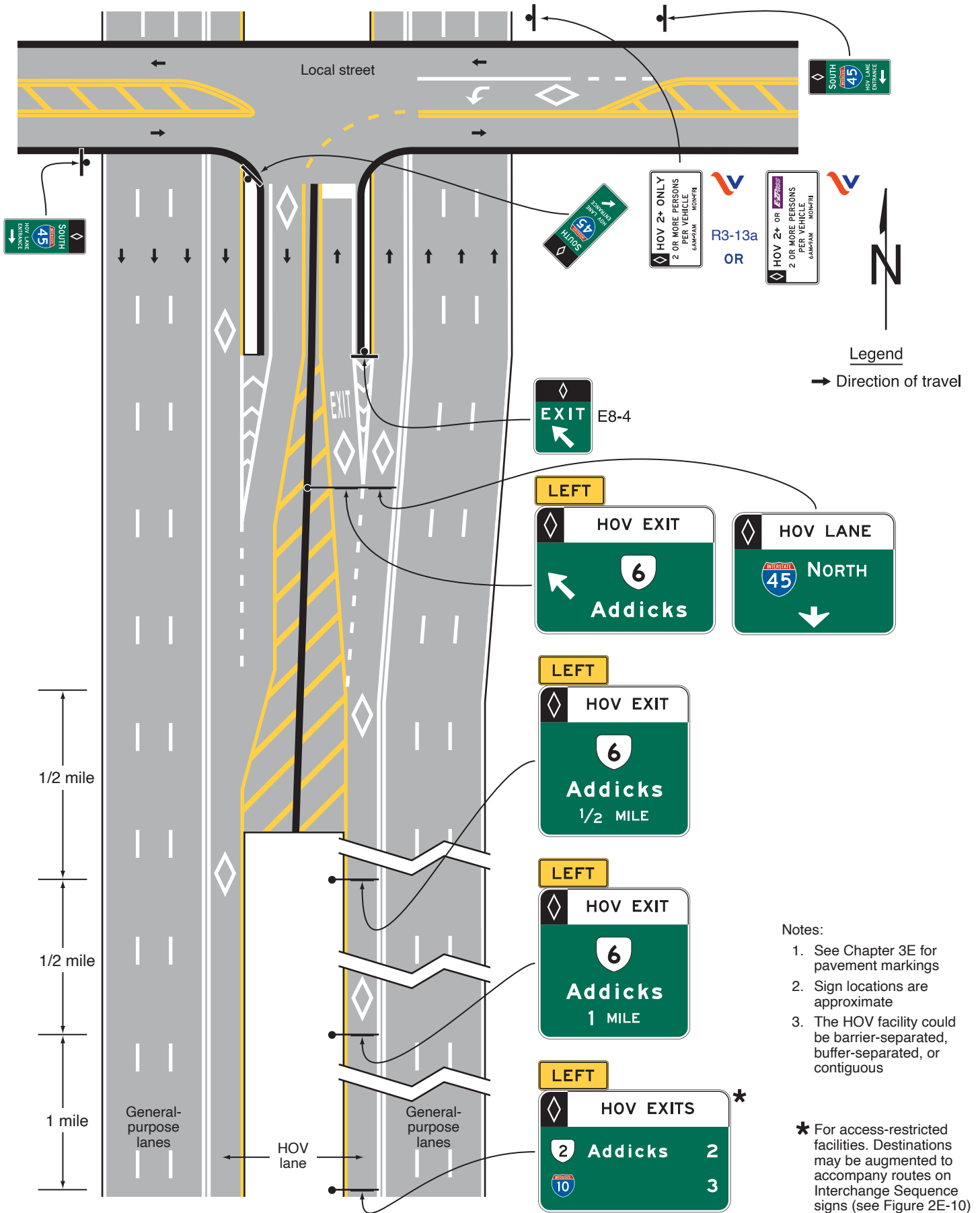
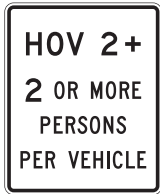


Figure 2G-18(VA). Regulatory Signs for Managed Lanes



R3-40



R3-42



R3-42a



R3-42b



R3-42c



R3-43



R3-44



R3-44a

Notes:

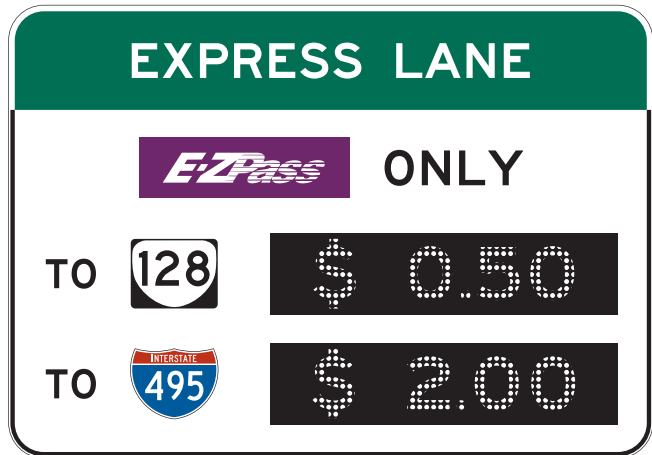
1. The ETC pictograph shown is an example only. The pictograph for the toll facility's adopted ETC system shall be used.
2. Changeable message sign elements shall be used for the numerals displayed for the variable tolls.



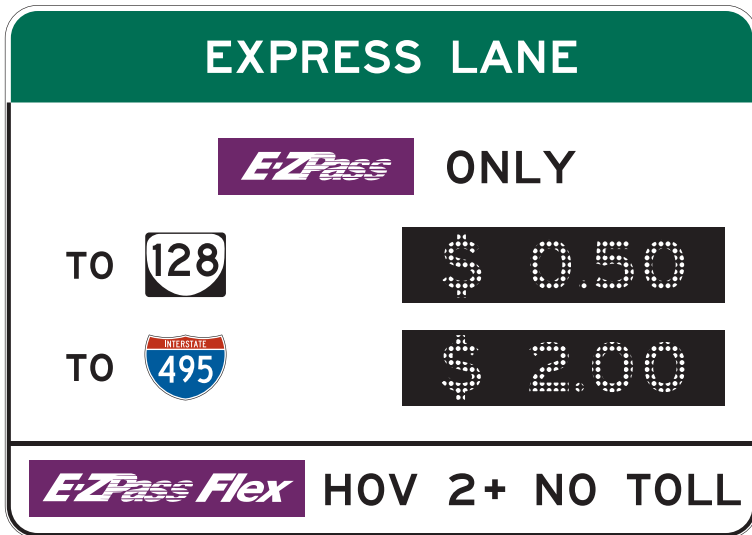
R3-45



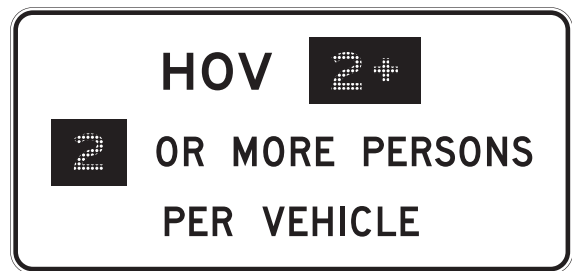
R3-45a



R3-48



R3-48a



Example of a regulatory sign with changeable message elements



Figure 2G-19(VA). Examples of Guide Signs for Entrances to Priced Managed Lanes

A – Entrance to a priced managed lane from a general-purpose lane



B – Direct entrance to a priced managed lane from a crossroad



Notes:

1. The ETC pictographs shown are examples only. The pictograph for the toll facility's adopted ETC system shall be used.
2. The examples shown are for facilities on which registration in a toll account program is required for toll payments.

Figure 2G-20(VA). Example of Signing for the Entrance to an Access-Restricted Priced Managed Lane on which Registration in a Toll Account Program Is Not Required

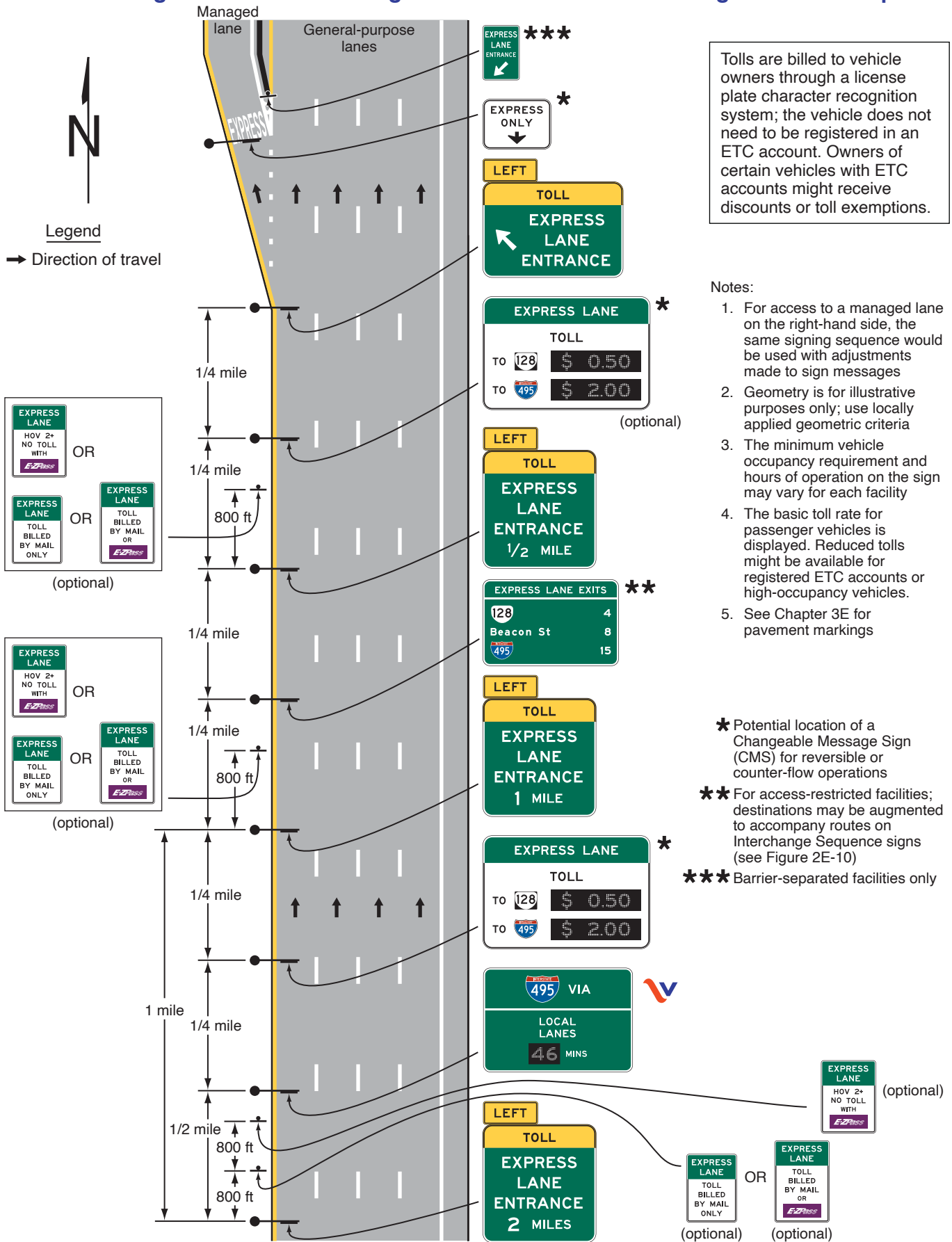
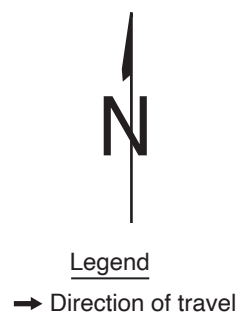
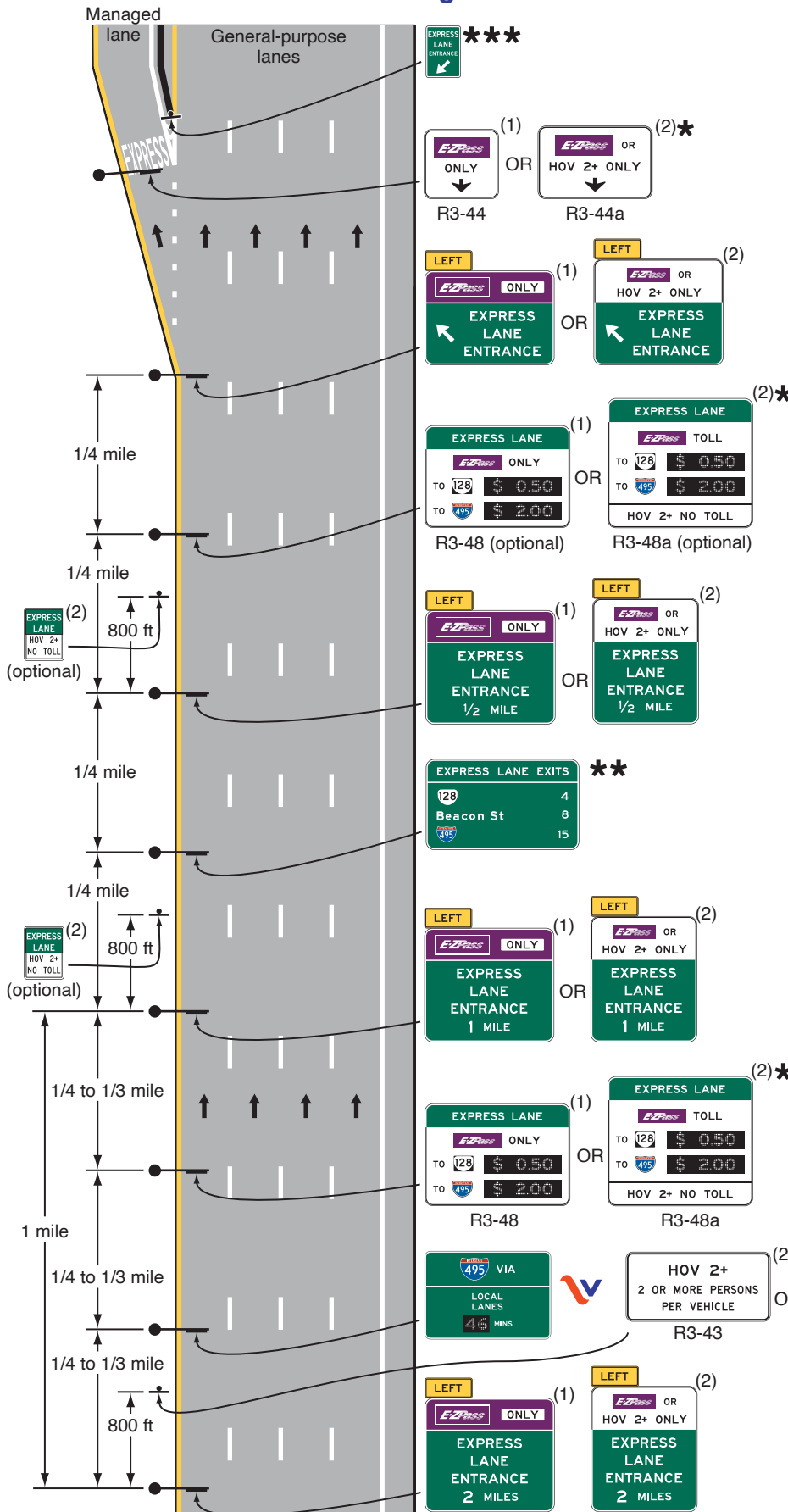


Figure 2G-21(VA). Example of Signing for the Entrance to an Access-Restricted Priced Managed Lane – ETC Account Required

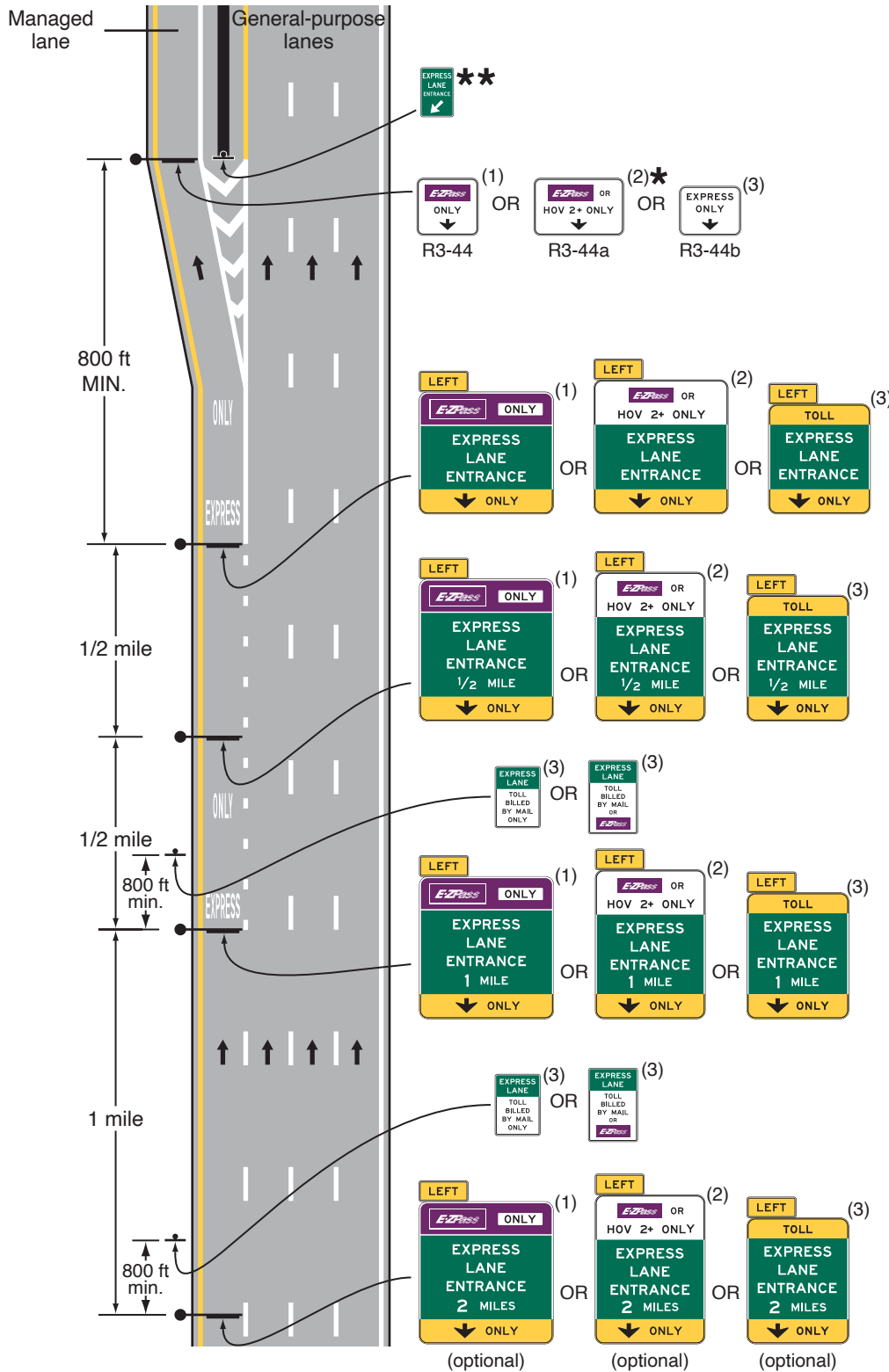


- Notes:**
1. For access to a managed lane on the right-hand side, the same signing sequence would be used with adjustments made to sign messages
 2. Geometry is for illustrative purposes only; use locally applied geometric criteria
 3. The minimum vehicle occupancy requirement and hours of operation on the sign may vary for each facility
 4. See Chapter 3E for pavement markings

- * Potential location of a Changeable Message Sign (CMS) for reversible or counter-flow operations
- ** For access-restricted facilities; destinations may be augmented to accompany routes on Interchange Sequence signs (see Figure 2E-10)
- *** Barrier-separated facilities only

- (1) All vehicles must have a registered ETC account. Toll discounts or exemptions through a registration program might be applicable for certain vehicles.
- (2) All vehicles except HOVs must have a registered ETC account. If registration is required for non-toll travel by HOV traffic, case (1) signing shall be used.

Figure 2G-22(VA). Example of Signing for the Entrance to an Access-Restricted Priced Managed Lane Where a General-Purpose Lane Becomes the Managed Lane



Legend

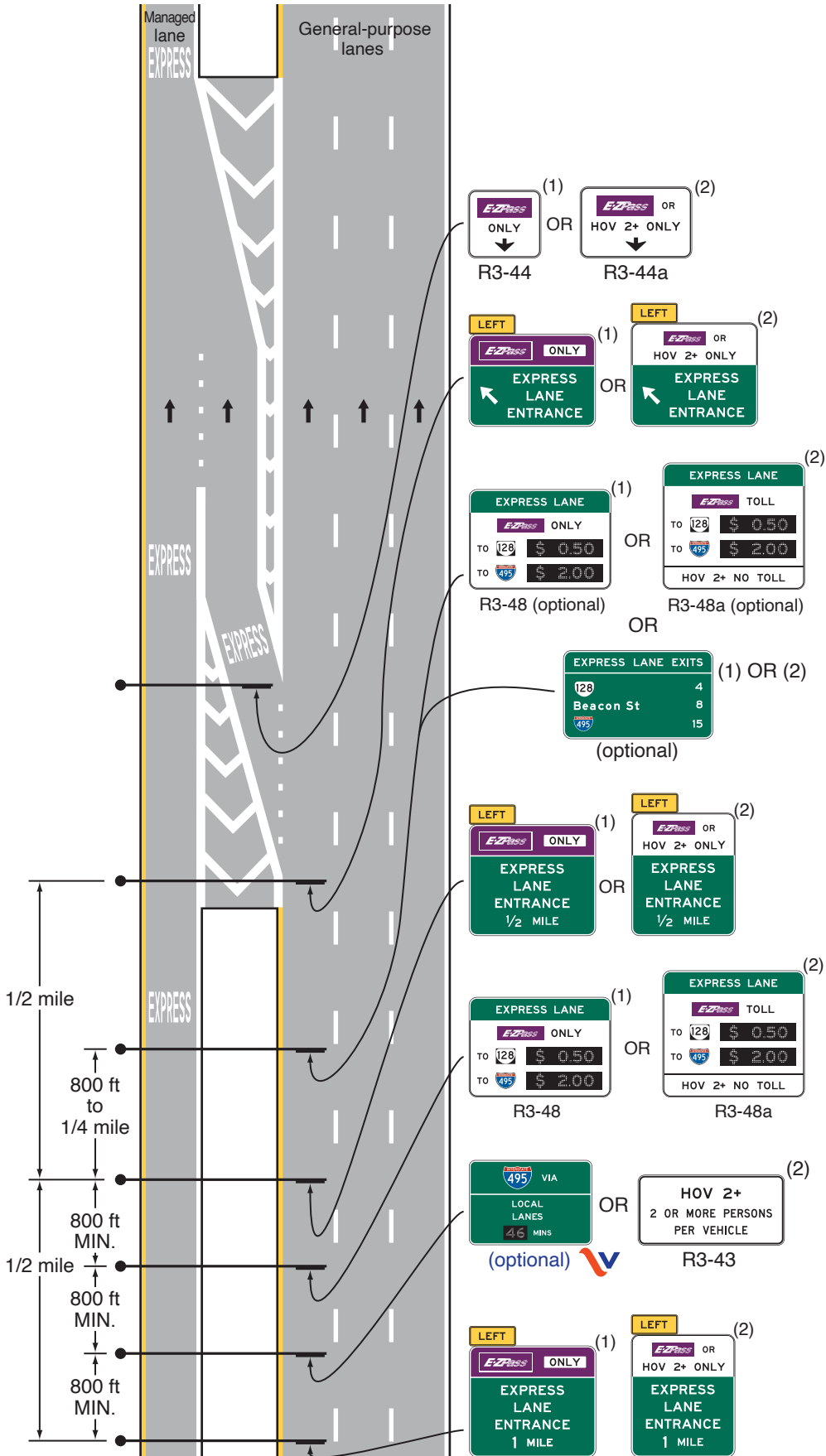
→ Direction of travel

- (1) All vehicles must have a registered ETC account. Toll discounts or exemptions through a registration program might be applicable for certain vehicles.
- (2) All vehicles except HOVs must have a registered ETC account. If registration is required for non-toll travel by HOV traffic, case (1) signing shall be used.
- (3) No registration in an ETC account is required. Tolls are billed by mail to vehicle owners through a license plate recognition system. ETC account payment might also be accepted by the system.

- * Potential location of a Changeable Message Sign (CMS) for reversible or counter-flow operations
- ** Barrier-separated facilities only

- Notes:
1. For access to a managed lane on the right-hand side, the same signing sequence would be used with adjustments made to sign messages
 2. Geometry is for illustrative purposes only; use locally applied geometric criteria
 3. The minimum vehicle occupancy requirement and hours of operation on the sign may vary for each facility
 4. See Chapter 3E for pavement markings
 5. See Figure 2G-21 for additional signing

Figure 2G-23(VA). Example of Signing for an Intermediate Entry to a Barrier-Separated or Buffer-Separated Priced Managed Lane



Legend

→ Direction of travel

Notes:

1. For access to a managed lane on the right-hand side, the same signing sequence would be used with adjustments made to sign messages
2. Geometry is for illustrative purposes only; use locally applied geometric criteria
3. The minimum vehicle occupancy requirement and hours of operation on the sign may vary for each facility
4. See Chapter 3E for pavement markings
5. Warning signs are not shown

- (1) All vehicles must have a registered ETC account. Toll discounts or exemptions through a registration program might be applicable for certain vehicles.
- (2) All vehicles except HOVs must have a registered ETC account. If registration is required for non-toll travel by HOV traffic, case (1) signing shall be used.

Figure 2G-24(VA). Example of Signing for the Intermediate Entry to, Egress from, and End of Access-Restricted Priced Managed Lanes

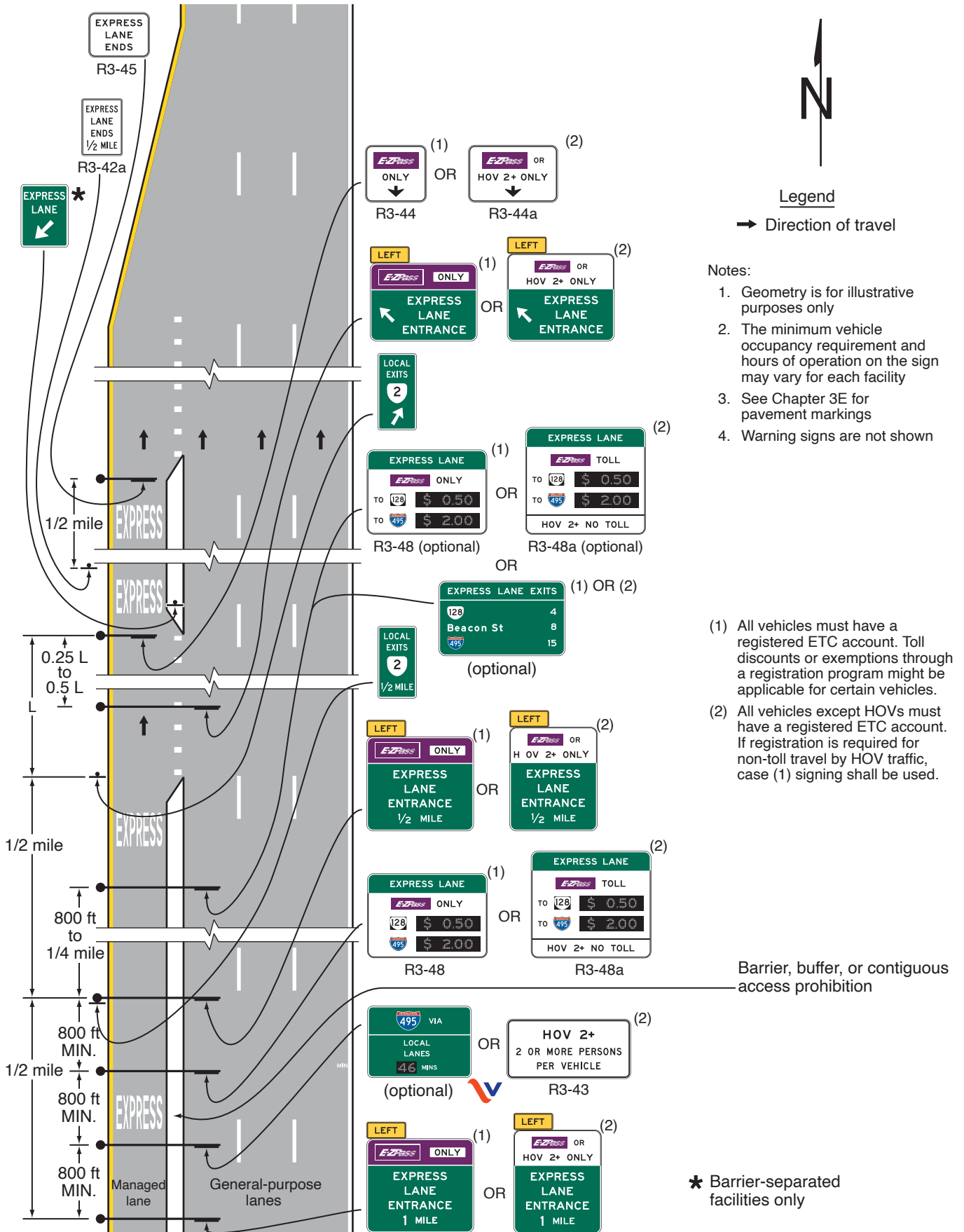
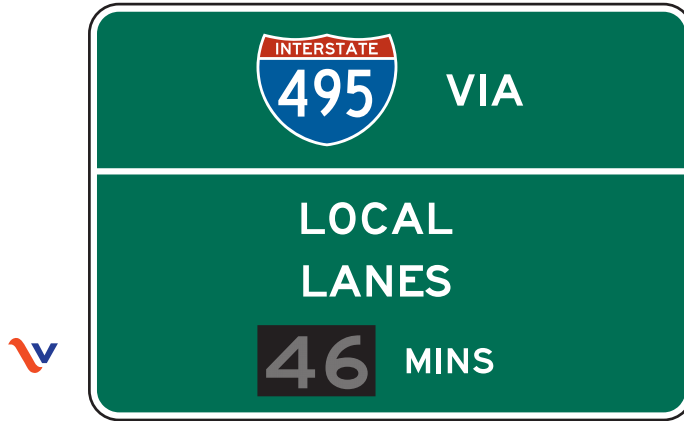


Figure 2G-26(VA). Example of a Comparative Travel Time Information Sign for Preferential or Managed Lanes



Note: CMS elements shall be used for the numerals displayed for the estimated travel times.

Figure 2G-27(VA). Examples of Guide Signs for an Intermediate Egress from a Barrier-Separated or Buffer-Separated Managed Lane

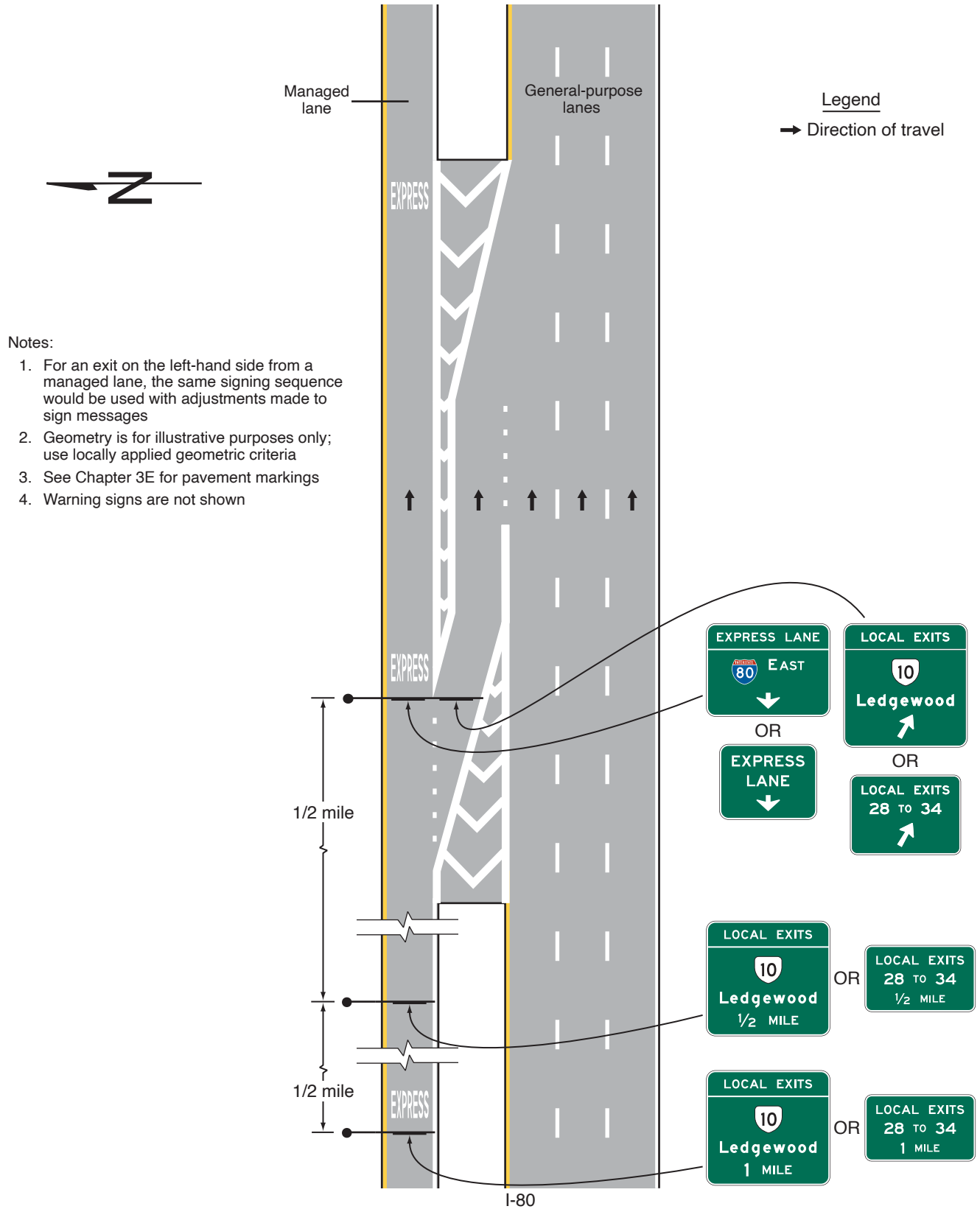
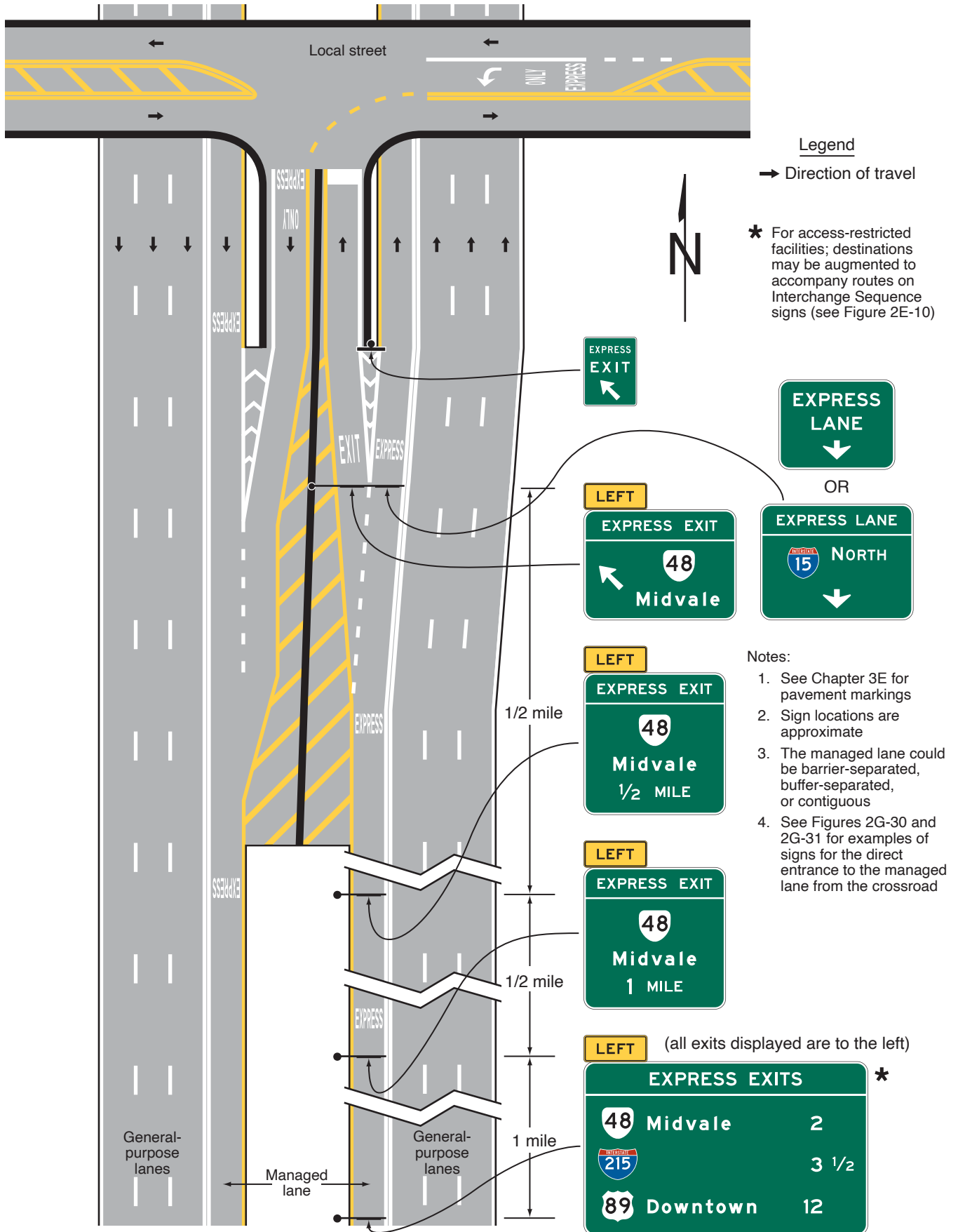


Figure 2G-28(VA). Examples of Guide Signs for Direct Managed Lane Entrance and Exit Ramps



EXPRESS
EXIT
←

EXPRESS
LANE
↓

OR

LEFT
EXPRESS EXIT
←
48
Midvale

EXPRESS LANE
15
NORTH
↓

LEFT
EXPRESS EXIT
48
Midvale
1/2 MILE

LEFT
EXPRESS EXIT
48
Midvale
1 MILE

LEFT (all exits displayed are to the left)

EXPRESS EXITS *		
48	Midvale	2
215		3 1/2
89	Downtown	12

General-purpose lanes

Managed lane

General-purpose lanes

1/2 mile

1/2 mile

1 mile



Figure 2G-30(VA). Examples of Guide Signs for a Direct Entrance Ramp to a Priced Managed Lane and Trailblazing to a Nearby Entrance to the General-Purpose Lanes

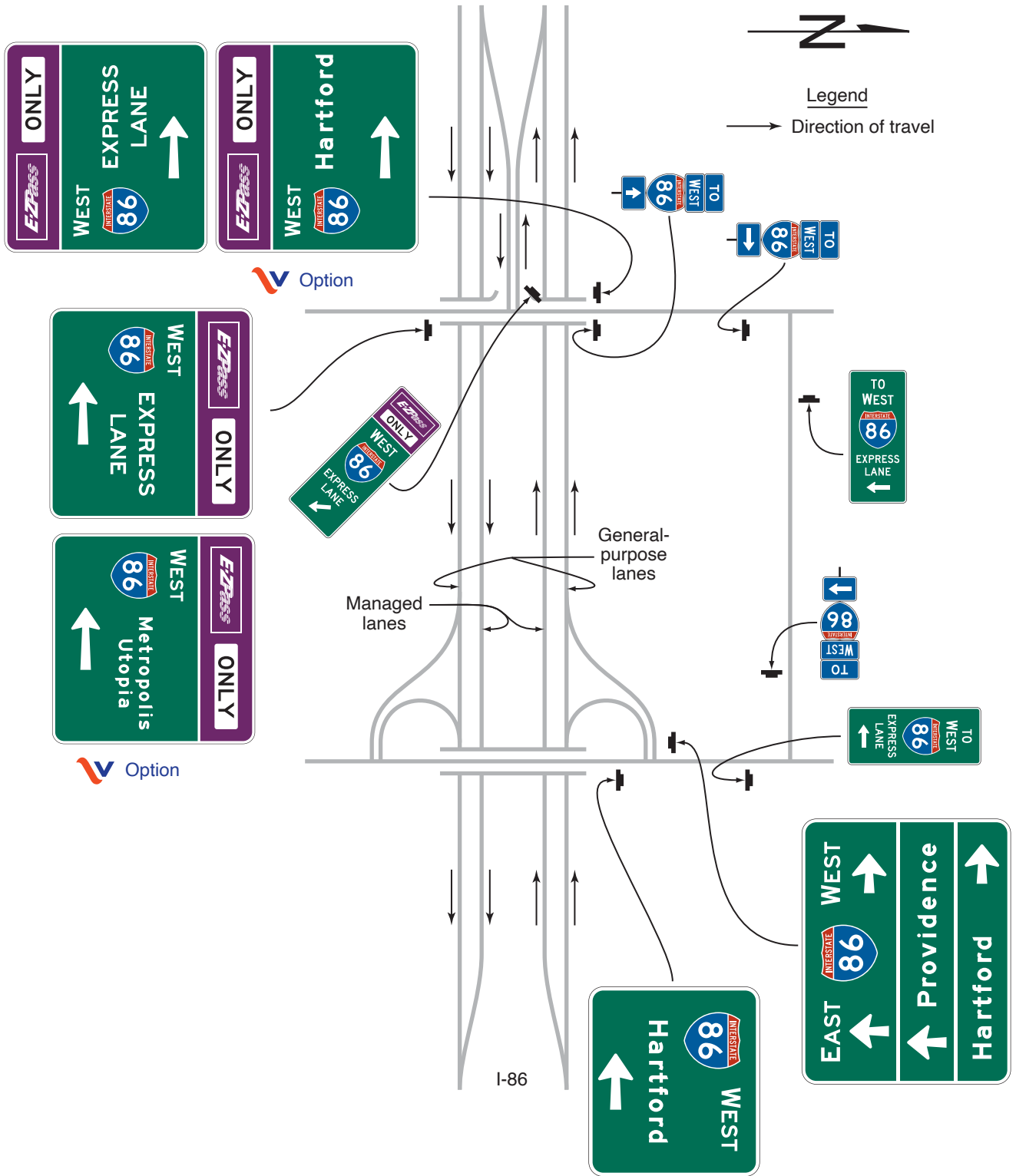


Figure 2G-31(VA). Examples of Guide Signs for Separate Entrance Ramps to General-Purpose and Priced Managed Lanes from the Same Crossroad

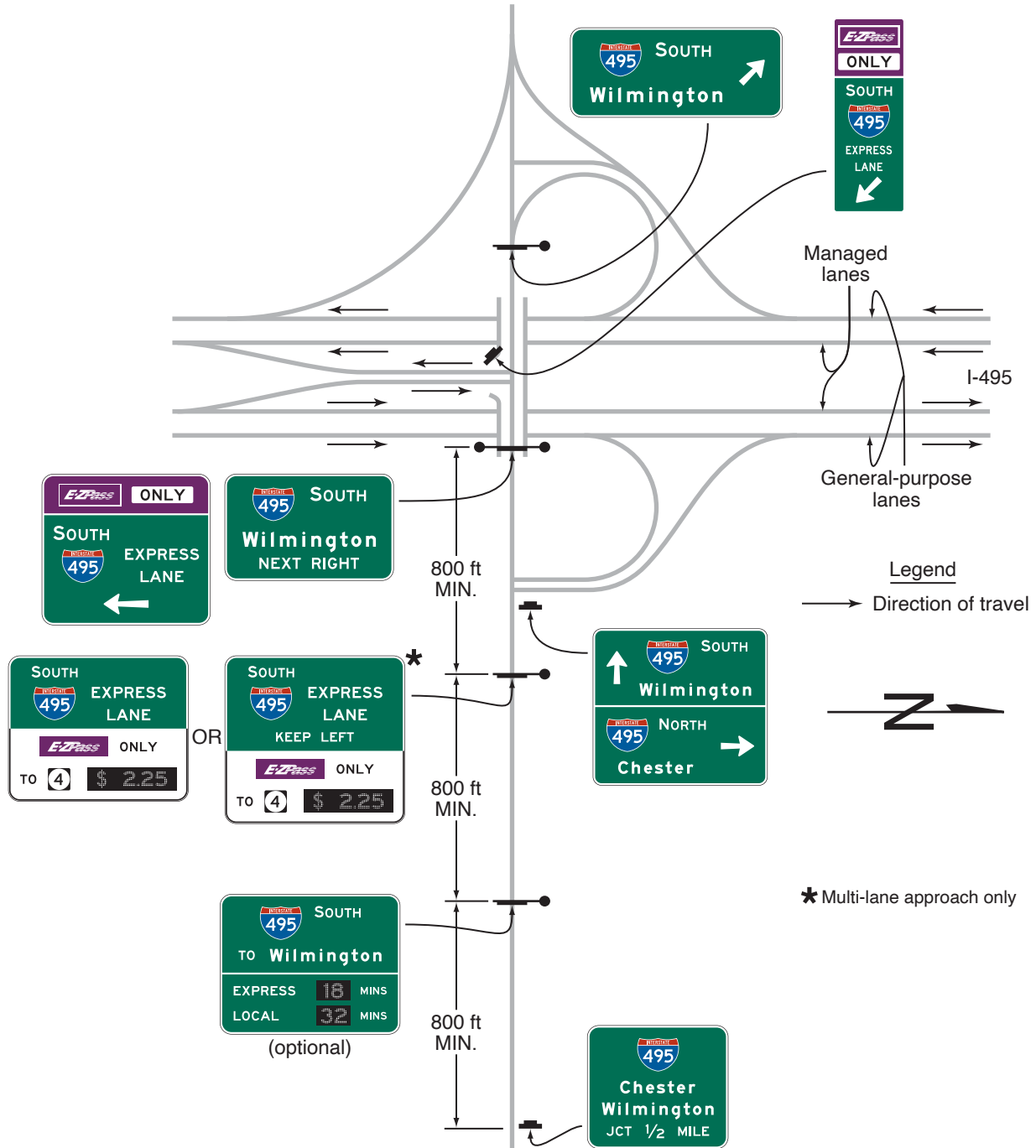


Figure 2G-32(VA). Examples of Signing for Part-Time Travel on a Shoulder (Sheet 2 of 4)

C – Signing at interchange ramps

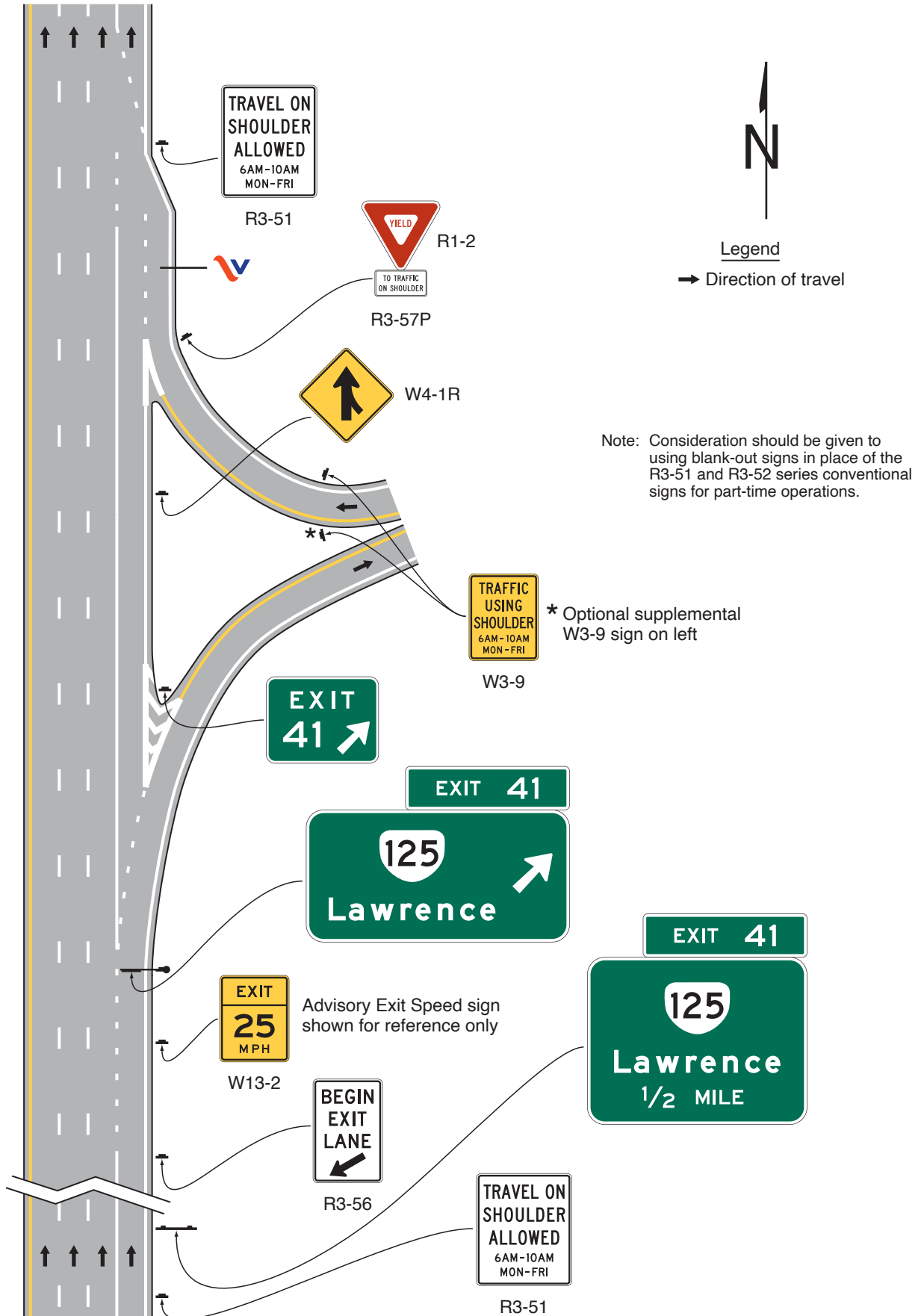


Figure 2G-32(VA). Examples of Signing for Part-Time Travel on a Shoulder (Sheet 4 of 4)

E – Travel on shoulder ends at an interchange exit ramp

