



Guide Sign Changes

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Chapter 2D -2N

- No compliance dates related to Chapter 2D 2N
- Reorganization
- Guide sign related content from the previous Part 5, Low Volume Roads, is adopted into Chapter 2D.
- For purposes of this presentation
 - Standard BOLD
 - Guidance Italics
 - Option/Support

- 2D.05 Size of Lettering
- Principal legend on overhead guide signs at least 6" in height
- Table 2D-2 Minimum Letter and Numeral Sizes

Table 2D-2. Recommended Minimum Letter and Numeral Sizes for Conventional Road Guide Signs According to Speed* (Sheet 1 of 2)

A - Post-Mounted Signs

	Single-Lane			Multi-Lane		
Type of Sign	Less than 30 mph	30-40 mph	Greater than 40 mph	Less than 30 mph	30-40 mph	Greater than 40 mph

Table 2D-2. Recommended Minimum Letter and Numeral Sizes for Conventional Road Guide Signs According to Speed* (Sheet 2 of 2)

B - Overhead-Mounted Signs

Type of Sign	Less than 35 mph	35-55 mph	Greater than55 mph

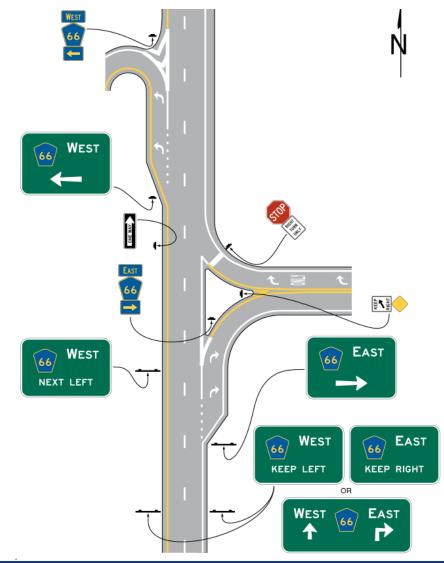
- 2D.11 Design of Route Signs
- Use of the M1-1a sign shall be limited to Route Sign assemblies.

 County Route signs shall be a minimum size of 24 x 24 inches. (minimum was 18 x 18 inches)





2D.41 NEW SECTION
 Destination Signs at
 Intersections with Indirect
 Turning Movements



- 2D.45 <u>Street Name Signs</u>
- Letter heights on street name signs should be as shown in Table 2D-6
- Considerations listed as Guidance:
 - Use of advanced signing
 - # of lanes
 - length of turn lanes
 - distance of street name sign across the intersection.
- Descriptors and supplemental language minimum letter heights 3"
- Block or house #'s allowed
- Street name signs should not be used at freeways/expressways ramps to minimize wrong way movements.



D3-1a

- 2E.12 Size of Signs and Letters
- The letters and the numerals used shall be FHWA Standard Alphabet Series E (modified)
- Appendix A remains the location for final rule information regarding Clearview "Series E(modified)-Alternate" (aka 5-W)
 - Freeways and expressways guide signs only
 - Names of places, streets, and highways
 - Cardinals, all numerals, distance/action messages shall be Standard B, C, D, E or E(mod)





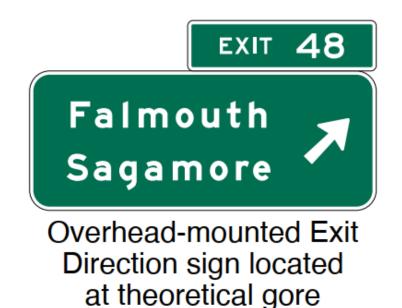
- 2E.12 Size of Signs and Letters
- *Where a larger size is used for the interchange type, that larger size is used for overhead signs for that interchange. Tables 2E-2 and 2E-4.

Table 2E-2. Minimum Letter and Numeral Sizes for Expressway Guide Signs According to Interchange Classification

	Туре	f Interchange			
Type of Sign	Ma	or	-		Overhead*
	Category a	Category b	Intermediate	Minor	
A. Advance Guide, Exit	irection, and	verhead Guide Signs			
Exit Number Plaques					
Words	10	10	10	8	10
Numerals & Letters	15	15	15	12	15
''					
Names of Destinations					
Upper-Case Letters	20	16	13.33	10.67	16
Lower-Case Letters	15	12	10	8	12
Distance Numbers	18	15	12	10	15

- 2E.18 <u>Arrows for Interchange Guide Signs</u>
- Overhead located on the side of the sign

 Post-mounted - located at the bottom portion of the sign and centered under the legend.





Post-mounted Exit Direction sign located at beginning of taper

- 2E.23 Advance Guide Signs
- At least one advance guide sign for all interchanges.
 - Major & Intermediate − 2 signs at ½ mile and 1 mile
 - A third advance sign at 2 miles if spacing permits
 - Minor − 1 sign <u>between</u> ½ -1 mile from exit gore
- Distance Message XX MILES or EXIT XX MILES or EXITS XX MILES
 - 1,000 ft to 1 mile, display nearest 1/4 mile
 - 1,000 ft or less, display nearest 100 feet
 - No Decimals



56
Metropolis
Utopia
EXITS 2 MILES

- 2E.26 Exit Gore Signs and Plaques
- An Exit Gore sign is required for all ramps leaving freeway, expressway or C-D roadways.
- 2E.27 Pull-Through Signs
- Display route shield and cardinal direction
- May have control city & down arrows





- 2E.28 <u>Signing for Interchange Lane Drops</u> without an Optional Exit Lane
- Down arrows may be to the right or left of the words EXIT ONLY if needed to position the arrow over the approx. center of the lane.
- E11-1a and E11-1b place on either side of a white down arrow on Adv Guide Sign AND either side of a white directional arrow on Exit Direction sign.
- E11-1c place between destination message and white down arrow





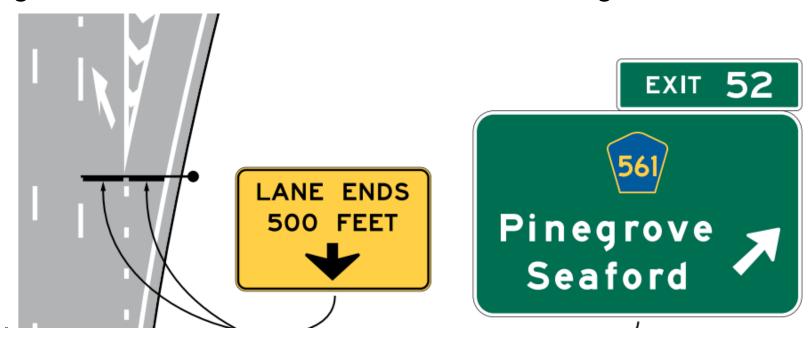


- 2E.28 Signing for Interchange Lane Drops without an Optional Exit Lane
- Post-mounted option where it is impossible to sign overhead or above the dropped lane



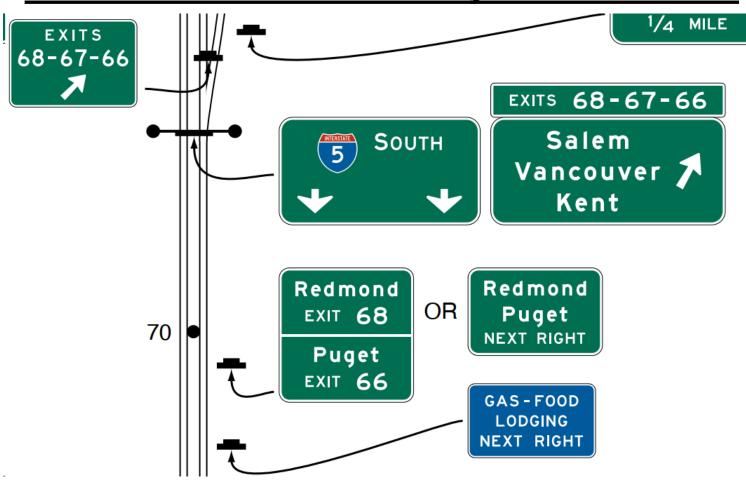


- 2E.28 Signing for Interchange Lane Drops without an Optional Exit Lane
- Mainline lane termination after exit ramp, overhead and/or post mounted warning signs should be used to warn traffic, see Figure 2E-23



• 2E.36 NEW SECTION Collector-Distributor Roadways for Successive

<u>Interchanges</u>

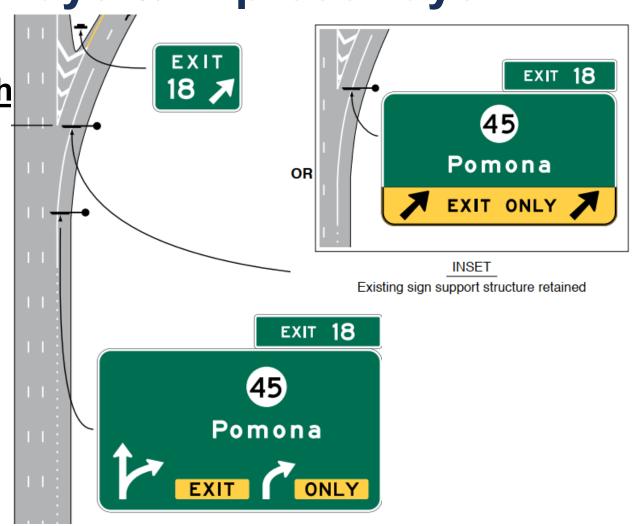


- 2E.40 Design of Overhead Arrow-per-Lane Guide Signs for Option Lanes
- Minimum arrow heights based on principal legend are shown in Table 2E-6 and reduced from the 2009 MUTCD.

Table 2E-6. Overhead Arrow-per-Lane Arrow Height Based on Principal Legend Letter Height

Principle Legend Letter Height	Through Arrow	Turn Arrow	Through with Turn Arrow	Split Arrow
20	48	36	48	44
16 or less	40	30	40	33.33

- 2E.42 <u>Intermediate and Minor</u> <u>Interchange Multi-Lane Exits with</u> <u>Option Lane</u>
- Partial Width Overhead Arrow-per-Lane signs allowed
- If used, the through route is not displayed
- Figure 2E-44 for example use (includes design for existing sign support structure retained)



- 2E.51 <u>Supplemental Guide Signs</u>
- The Option statement allowing pictographs in supplemental guide signs has been removed.
- Pictographs allowed
 - Transit
 - Electronic tolling
 - Jurisdictional Boundary Signs
 - Travel Info Call 511
 - Bike Routes
- Consider Attraction services category

2L – Changeable Message Signs

- Significantly increased information on CMS use, messages, other info
- A CMS is always a traffic control device, regardless of message
- Agencies must have a policy for use and legends for permanent CMSes

 Agencies should not use humorous, unconventional, or obscure messages on CMSes

