
333 SIGNING AT STATE BOUNDARIES

On through State Highways at the boundaries of the state of Arizona and other adjoining states, the signing sequence shown in Figure 333-A (for conventional roads) or Figure 333-B (for freeways) should be installed. See the notes for these figures for additional details. Figure 333-C shows special details for signing where the State Highway centerline crosses the boundary at a skew angle.

On conventional roadways, the signs should be placed approximately 200 to 500 feet apart, and 650 to 800 feet apart on freeways. This spacing may be adjusted as needed to account for structures, bridges, terrain and topography, intersections and interchange ramps, presence of ports of entry, and other factors. Where practicable, a longer spacing can provide improved legibility.

As described in the notes, some signs are optional and may be omitted if not applicable or if they would conflict with other signs. If the area in the vicinity of the state boundary is developed, the optional signs may be installed on the State Highway as it departs the developed area. The sign order may also be modified as needed to address conditions at or near the state boundary; however, the R2-1 Speed Limit sign should not be installed too far away from the state line, especially if the speed limit is different from that in the adjoining state.

Figure 333-A. Signing for Conventional Roads at State Boundaries

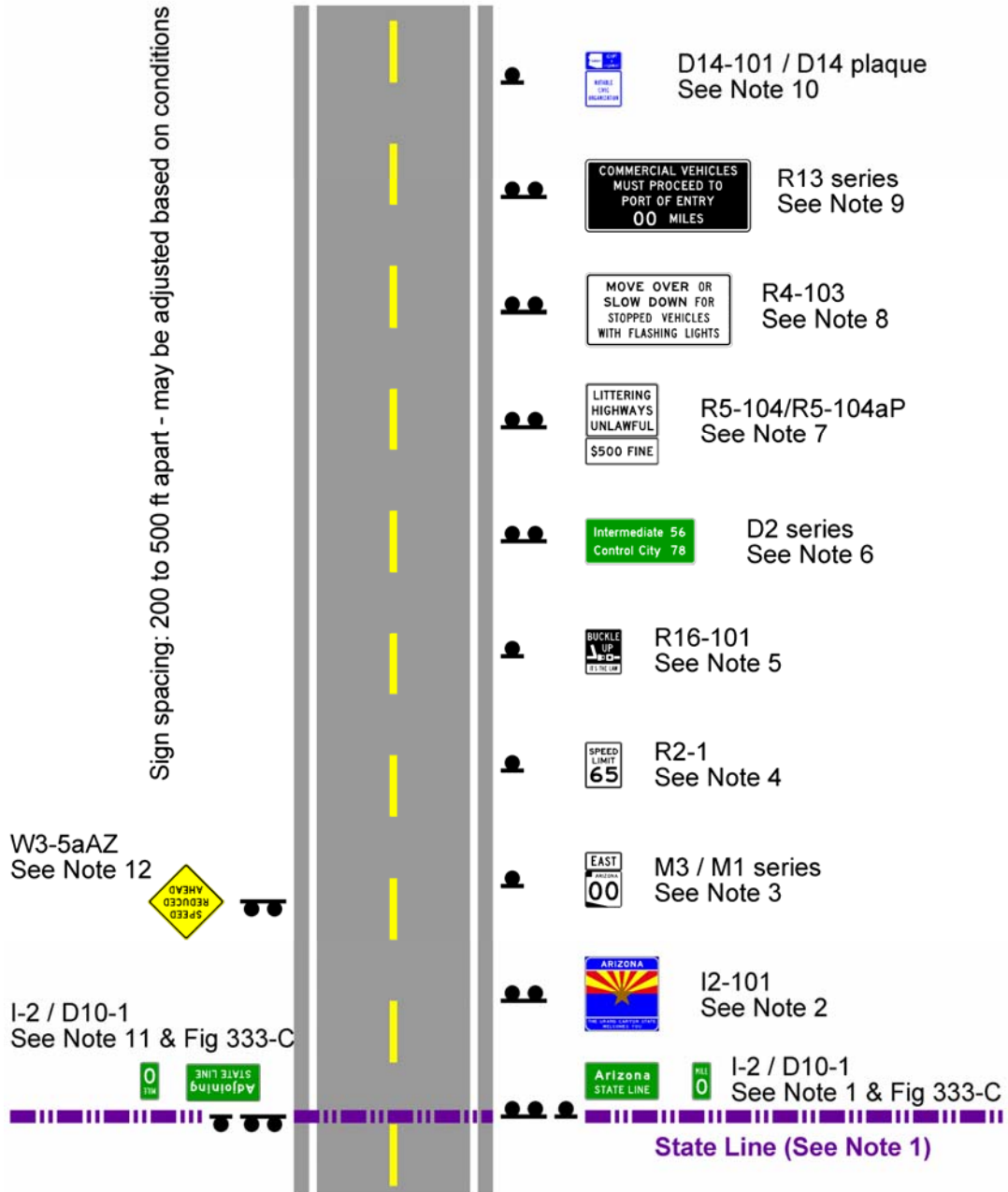
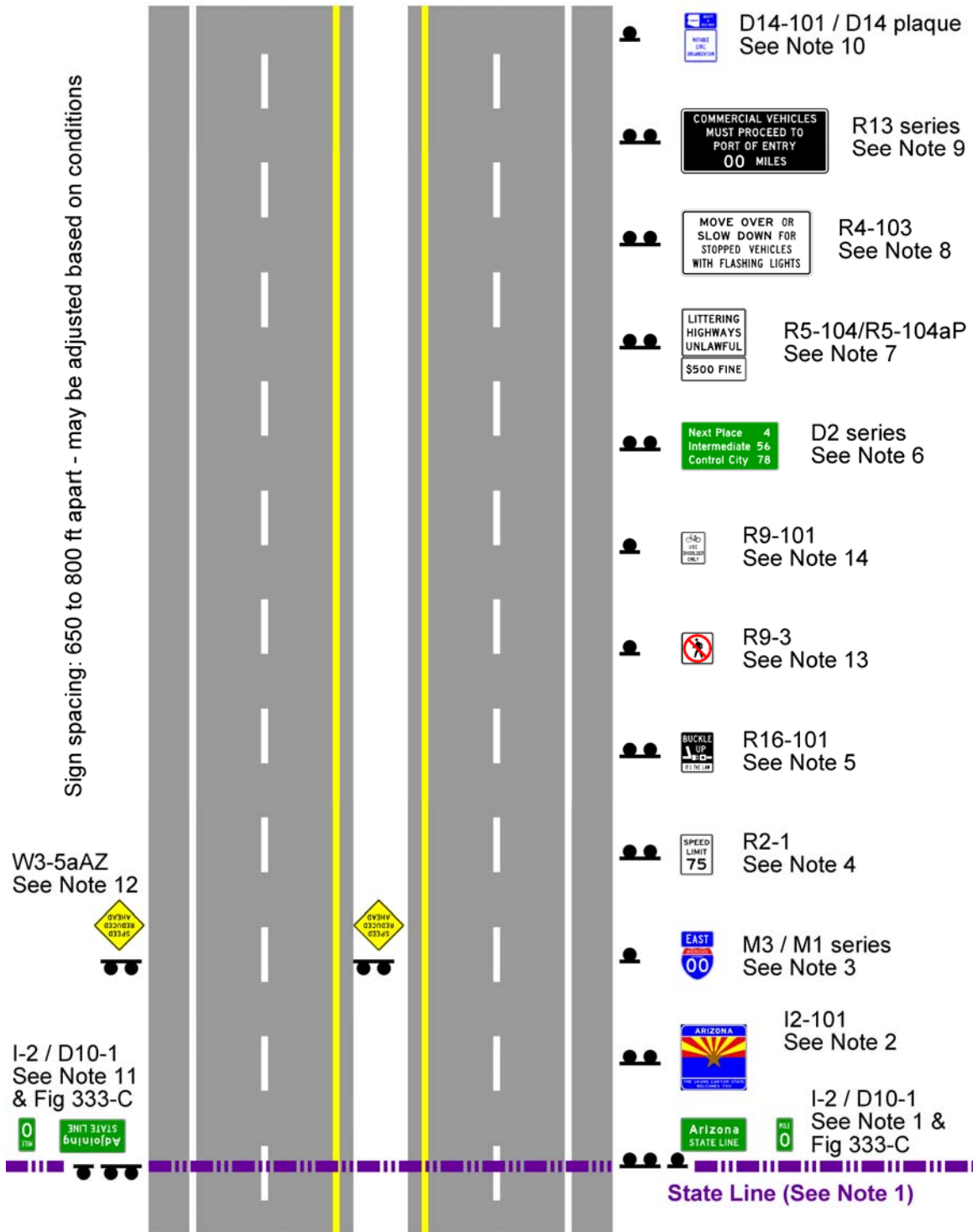


Figure 333-B. Signing for Freeways at State Boundaries



Notes for Figures:

Note #1: I-2 State Line sign and D10-1 milepost marker (optional)

Sign sizes:

- I-2 State Line sign
 - Conventional Road: 48" x 24"
 - Freeway: 72" x 36"
- D10-1: 12" x 24"

Where practicable, install the I-2 State Line sign so that the face of the sign is parallel to and flush with the state boundary line (note that this may result in the face of the state line sign not being perpendicular to the roadway centerline as depicted in Figure 333-C, but this is acceptable). When placed in this manner, the state line sign can provide a reasonably accurate reference for the state boundary for enforcement and other purposes. If the state boundary line is not readily discernible, then the District Survey crew or the adjacent state DOT's survey office should be contacted to accurately determine the state boundary line for placement of the I-2 sign.

On State Highways where the state line also marks the beginning of milepost numbering for that highway (typically at the west or south state boundaries), a D10-1 Milepost 0 sign may be optionally placed perpendicular to the roadway centerline where the roadway centerline crosses the state line (see as-built roadway project plans for additional information on geometric location and stationing of this point). Note that if the state line and the roadway centerline are not perpendicular as depicted in Figure 333-C, this can result in the milepost and the state line sign being offset by some distance.

Note #2: I2-101 Arizona The Grand Canyon State Welcomes You Sign

Sign sizes:

- Conventional Road: 48" x 48"
- Freeway: 192" x 192"

This sign is notable in that it attracts interest from travelers who choose to stop and take a photo of the sign, or, in some cases, with the sign. ADOT does not encourage this practice, but recognizes that it may occur, and the sign location may be adjusted based on engineering judgment.

Note #3: M3 Cardinal Direction Auxiliary and M1 Route Marker Assembly

Sign sizes:

- M3 series Cardinal Direction Auxiliary
 - Conventional Road: 24" x 12"
 - Freeway: 36" x 18"
- M1 series Route Marker (Interstate, US, or State)
 - Conventional Road: 24" x 24" (1-2 digit) or 30" x 24"
 - Freeway: 36" x 36" (1-2 digit) or 45" x 36"

This sign assembly notifies road users of the official number designation(s) of this State Highway. If the State Highway carries multiple route designations,

the route assemblies may be arranged stacked (if they carry the same cardinal direction) or side by side.

Note #4: R2-1 Speed Limit Sign

Sign sizes:

- Conventional Road:
 - Two-lane: 24" x 30"
 - Multi-Lane: 30" x 36"
- Freeway: 48" x 60"

This sign displays the speed limit as recorded in the current approved Speed Regulation for this segment of the State Highway.

Note #5: R16-101 Buckle Up It's The Law Sign (Optional)

Sign sizes:

- Conventional Road: 24" x 30"
- Freeway: 48" x 60"

This sign may be omitted or relocated if it conflicts with other signs.

Note #6: D2 Series Distance Sign

Sign sizes:

- Conventional Road (6" legend, 12" shields):
 - D2-1: variable width x 18"
 - D2-2: variable width x 30"
 - D2-3: variable width x 42"
- Freeway (13.33" legend, 24" shields):
 - D2-2: variable width x 72"
 - D2-3: variable width x 96"

The destinations and distances on this sign should be determined in accordance with ADOT TGP 331.

Note #7: R5-104 + R5-104aP Littering Highways Unlawful Assembly (Optional)

Sign sizes:

- R5-104 (all highways): 48" x 36"
- R5-104aP (all highways): 48" x 18"

This sign assembly may be omitted or relocated if it conflicts with other signs.

Note #8: R4-103 Move Over Or Slow Down Sign (Optional)

Sign sizes:

- Conventional Road: 96" x 48"
- Freeway: 192" x 84"

This sign may be omitted or relocated if it conflicts with other signs.

Note #9: R13 series Commercial Vehicles Must Proceed To Port of Entry Sign

Sign sizes:

- Conventional Road: 108" x 48"
- Freeway: 204" x 84"

Use this sign if the port of entry is more than three miles from the state line, where the port of entry is on another intersecting highway, or if there is a junction or interchange with a through roadway between the state line and the port of entry. In most cases, the sign will be a R13-103a, but other R13 series sign may be used as appropriate.

Note #10: D14-101 + D14-103P or -104P Adopt A Highway Assembly (Optional)

Sign sizes:

- D14-101 (all highways): 24" x 12"
- D14-103P (all highways): 24" x 18"
- D14-104P (all highways): 24" x 24"

This sign assembly should only be placed at locations with an approved Adopt A Highway sponsor or volunteer organization in accordance with Department policies. The sign assembly may be omitted or relocated if it conflicts with other signs.

Note #11: I-2 State Line sign (for other state) and D10-1 milepost marker (optional)

Sign sizes:

- I-2 State Line sign
 - Conventional Road: varies x 24"
 - Freeway: varies x 36"
- D10-1: 12" x 24"

An I-2 State Line sign recognizing the state boundary for the adjoining state may optionally be installed in the direction leaving Arizona (if one is not already present) so that the face of the sign is parallel to and flush with the I-2 Arizona State Line sign installed along the boundary (as noted in Note 1, this may result in the face of both state line signs not being perpendicular to the roadway centerline as depicted in Figure 333-C). When placed in this manner, the two state line signs can provide a reasonably accurate reference for the state boundary for enforcement and other purposes. If the decision is made to place this sign, its installation should be coordinated with and approved by (or performed by) the adjoining state's Department of Transportation. See Note 1 regarding determination of exact state boundary line.

If a D10-1 Mile 0 sign is installed in the inbound direction, an Mile 0 sign may optionally be installed in the outbound direction at the same station as the inbound milepost.

Note #12: W3-5aAZ Speed Reduced Ahead Sign(s) (Optional)

Sign sizes:

- Conventional Road: 36" x 12"
- Freeway or other divided roadway: 48" x 48"

If the highway in the direction departing the State has a speed limit reduction in the adjoining state that meets the criteria in ADOT TGP 311, then W3-5aAZ Speed Reduced Ahead signs may be placed to advise outbound traffic of the speed reduction.

Note #13: R9-3 No Pedestrians Sign

Sign sizes:

- Freeway: 30" x 30"

This sign shall be omitted except on controlled-access freeways where pedestrians are prohibited. This sign may be relocated if it conflicts with other signs.

Note #14: R9-101 Bicycles Use Shoulder Only Sign

Sign sizes:

- Freeway: 18" x 24"

This sign shall only be installed on freeways where bicyclists are restricted to using the right-hand shoulder, and shall not be used on any other class of roadways. This sign may be relocated if it conflicts with other signs.

Figure 333-C. Signing on State Boundaries at Skew Angles

