

Dynamic envelope (see Figure 8C-3)

Dynamic envelope pavement marking (optional)

15 ft MIN.

24 inches

Stop line approximately 8 ft upstream from gate (if present)

See Chapter 2C, Table 2C-3

24 inches

50 ft

Pavement Marking Symbol* (see Figure 8C-2)

24 inches

W10-1

W3-1 (if needed) OR W3-2 (if needed)

W14-3 (optional)

Legend
→ Direction of travel

A three-lane roadway should be marked with a center line for two-lane approach operation on the approach to a grade crossing.

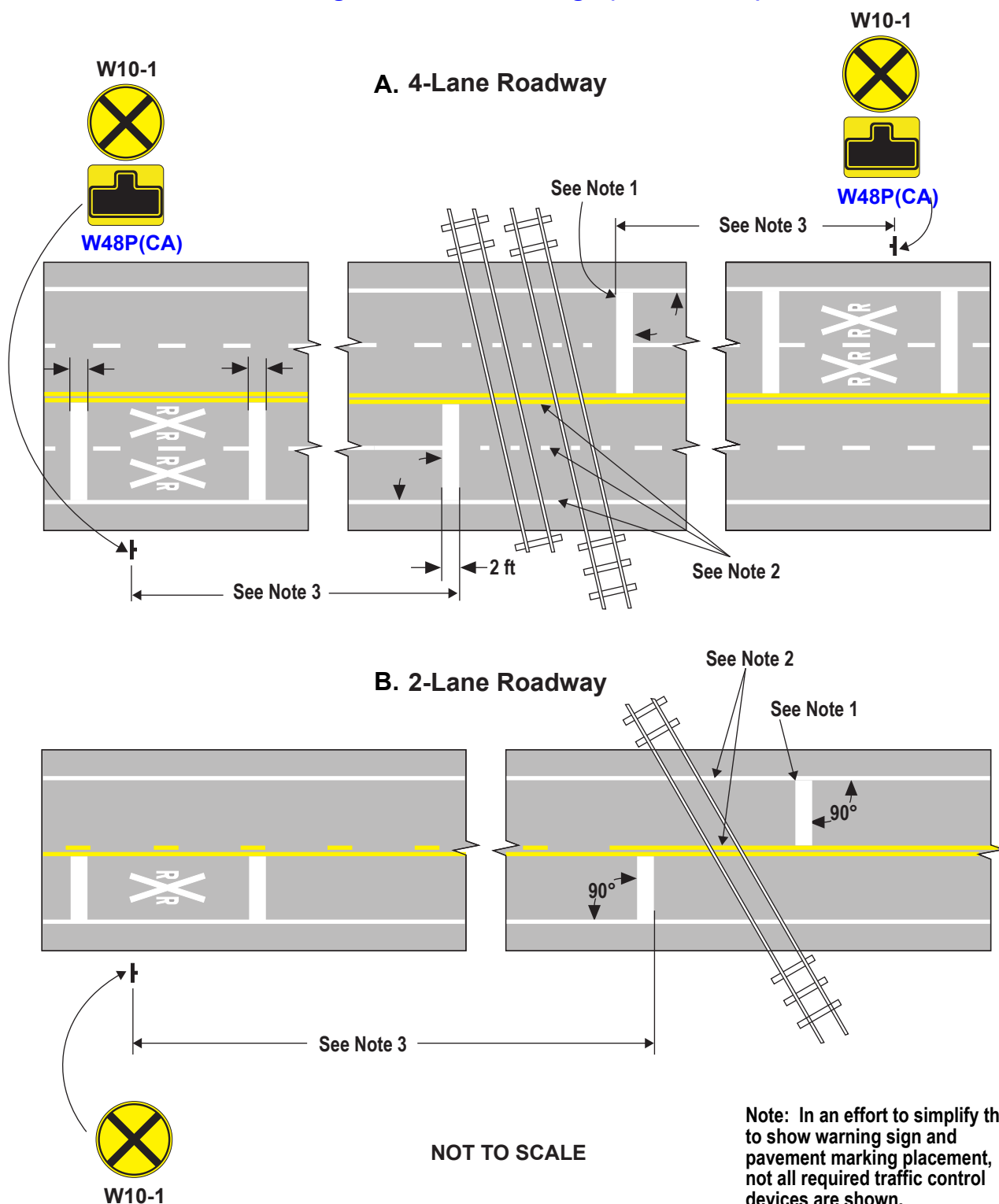
If transverse lines are used at the grade crossing, yield lines may be used instead of stop lines if YIELD signs are used at the grade crossing.

On multi-lane roads, the transverse lines shall extend across all approach lanes, and individual RXR symbols shall be used in each approach lane.

* When used, a portion of the pavement marking symbol should be directly opposite the Grade Crossing Advance Warning (W10-1) sign. If needed, supplemental pavement marking symbol(s) may be placed between the Grade Crossing Advance Warning sign and the grade crossing, but should be at least 50 feet from the stop or yield line.

Note: In an effort to simplify the figure to show warning sign and pavement marking placement, not all required traffic control devices are shown.

Figure 8C-1(CA). Example of Placement of Warning Signs and Pavement Markings at Grade Crossings (Sheet 1 of 3)

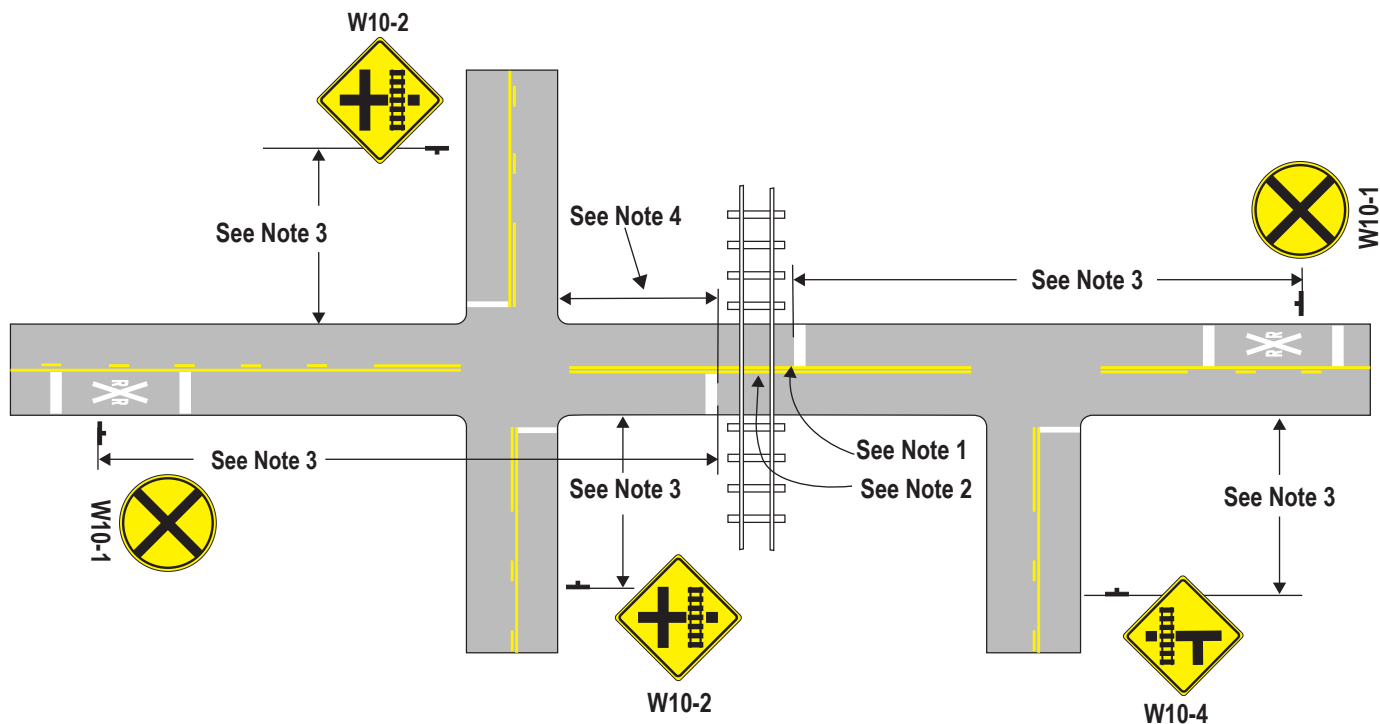


NOTES:

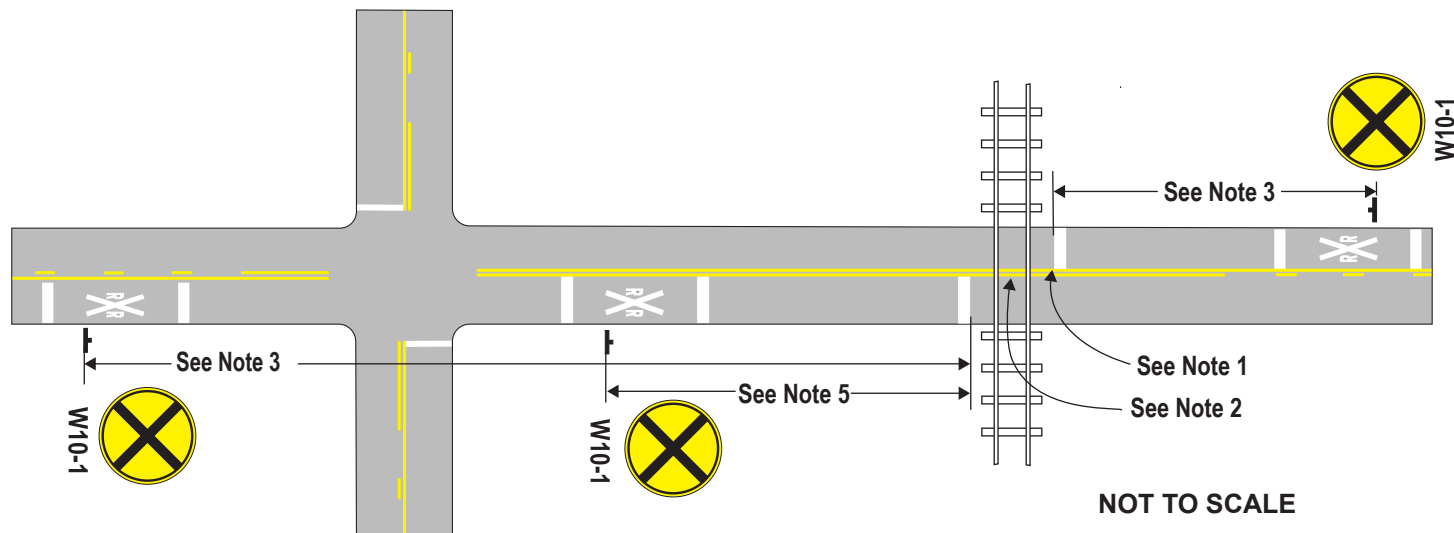
1. Stop line approximately 8 ft upstream from gate (if present), but no closer than 15 feet from nearest rail. Refer to Section 8C.03.
2. Edge lines, lane lines, and center lines should extend up to and across the grade crossing. Refer to Section 8C.05.
3. Refer to Section 2C.04. The distances contained in Table 2C-3 should be applied with engineering judgment

Figure 8C-1(CA). Example of Placement of Warning Signs and Pavement Markings at Grade Crossings (Sheet 2 of 3)

C. Parallel Roadway less than 100 feet



D. Parallel Roadway greater than 100 feet

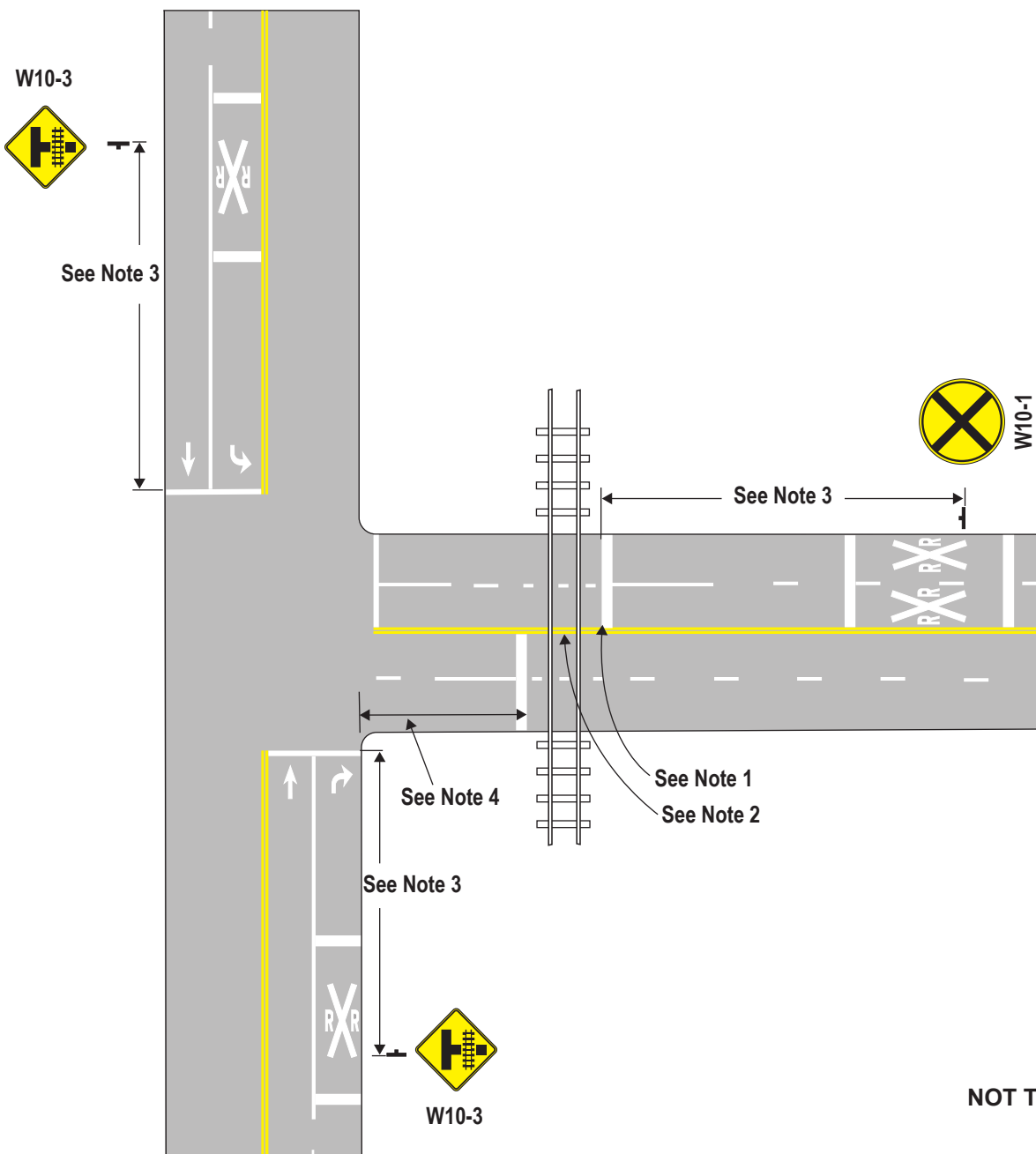


NOTES:

1. Stop line approximately 8 ft upstream from gate (if present), but no closer than 15 feet from nearest rail. Refer to Section 8C.03.
2. Edge lines, lane lines, and center lines should extend up to and across the grade crossing. Refer to Section 8C.05.
3. Refer to Section 2C.04. The distances contained in Table 2C-3 should be applied with engineering judgment.
4. RXR marking should be omitted between the intersection and the crossing where the distance is less than 100 feet and W10-2, W10-3, or W10-4 signs are used on the approaches of the parallel highway. Refer to Section 8C.02.
5. W10-1 sign between the tracks and the parallel highway should be placed within 50 feet of the intersection. Refer to Section 8B.06.

Figure 8C-1(CA). Example of Placement of Warning Signs and Pavement Markings at Grade Crossings (Sheet 3 of 3)

E. Parallel Roadway less than 100 feet - Mandatory Turn Lanes

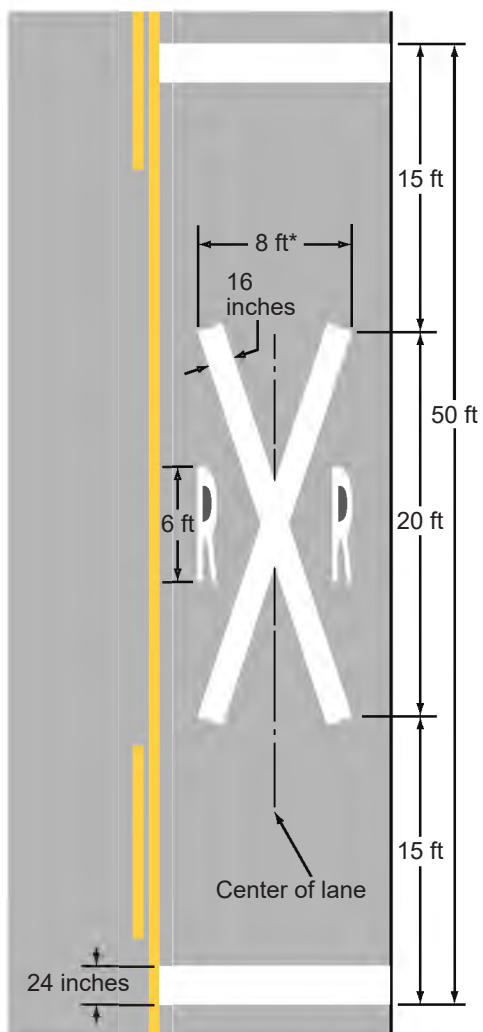


NOTES:

1. Stop line approximately 8 ft upstream from gate (if present), but no closer than 15 feet from nearest rail. Refer to Section 8C.03.
2. Edge lines, lane lines, and center lines should extend up to and across the grade crossing. Refer to Section 8C.05.
3. Refer to Section 2C.04. The distances contained in Table 2C-3 should be applied with engineering judgment.
4. RXR marking should be omitted between the intersection and the crossing where the distance is less than 100 feet and W10-2, W10-3, or W10-4 signs are used on the approaches of the parallel highway. Refer to Section 8C.02 .

Figure 8C-2. Grade Crossing Pavement Markings

A – Grade crossing pavement marking symbol



*Width may vary according to lane width

Note: Refer to Figure 8C-1 for placement

B – Grade crossing alternative (narrow) pavement marking symbol

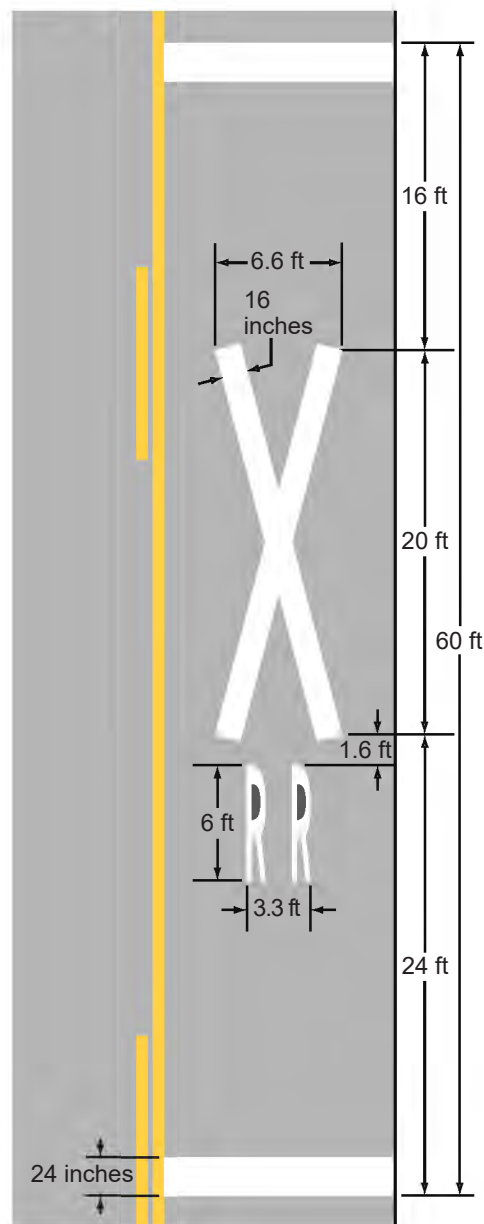


Figure 8C-3. Example of Dynamic Envelope Pavement Markings at Grade Crossings

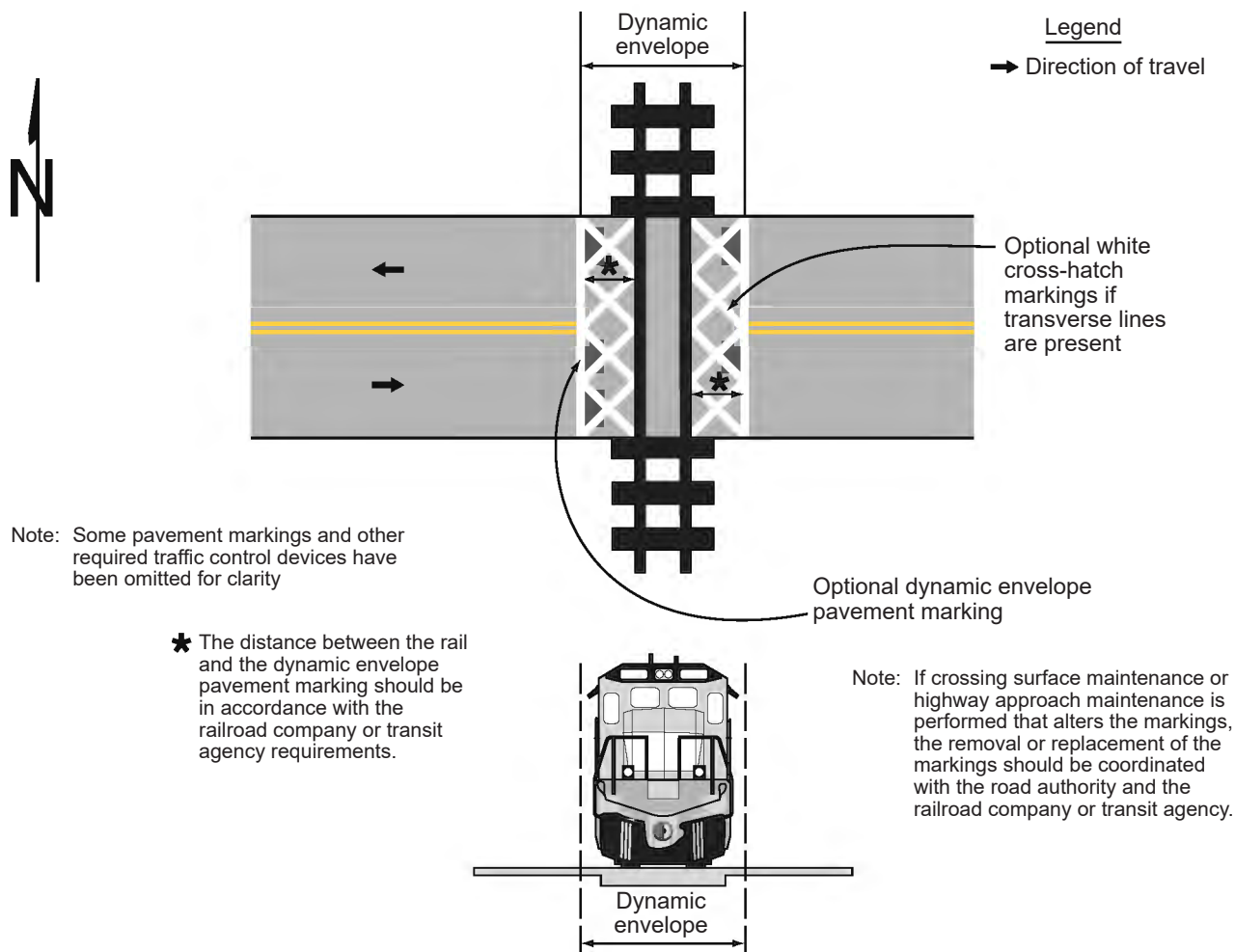


Figure 8C-4. Example of Dynamic Envelope and Do Not Block Pavement Markings at Grade Crossings

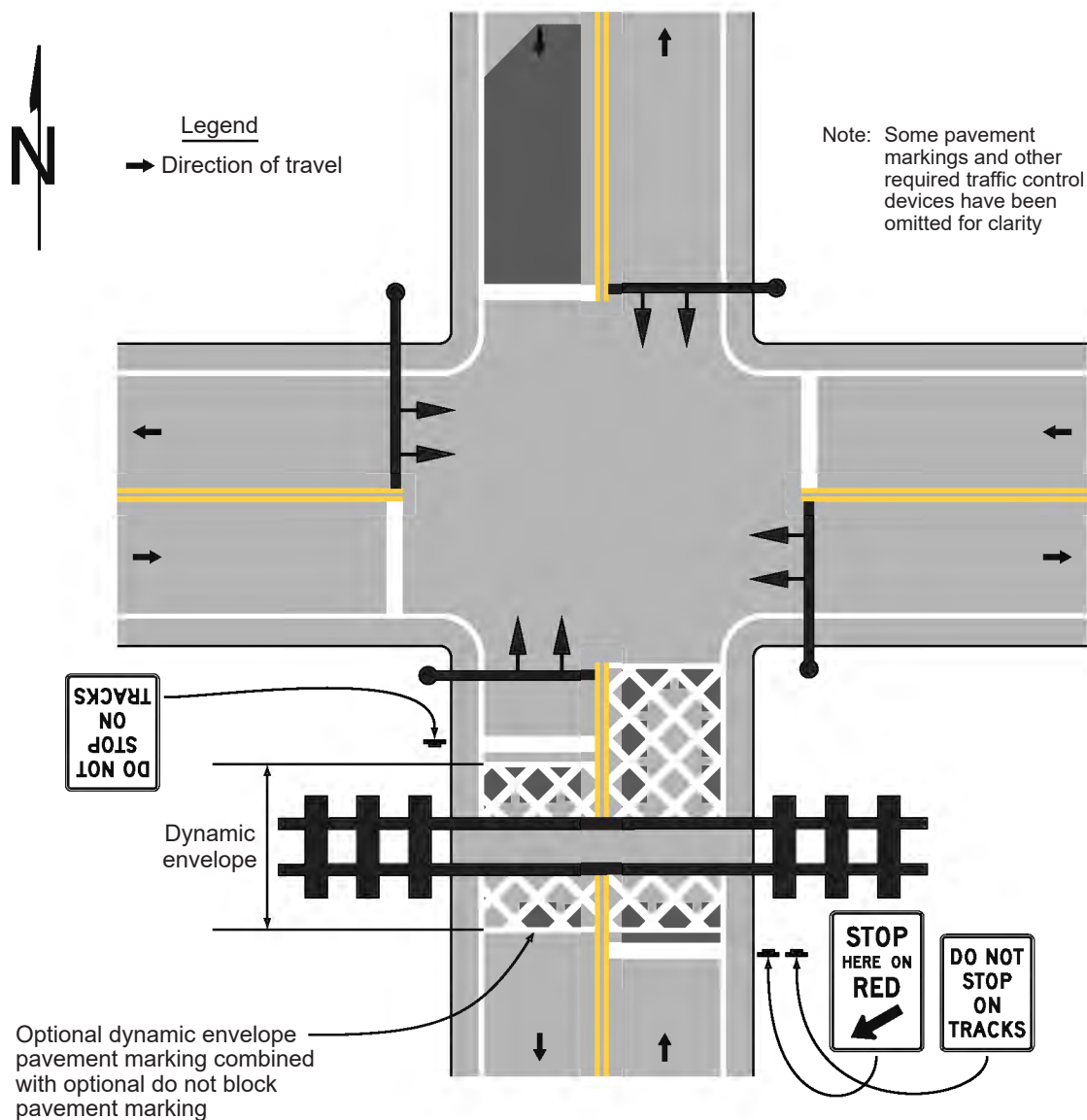


Figure 8C-5. Examples of Light Rail Transit Vehicle Dynamic Envelope Markings for Mixed-Use Alignments

