



# Install Intersection Warning Signs

Standard traffic sign used to indicate the presence of an intersection ahead.



Source: Lee Engineering, LLC

An Intersection Warning sign may be supplemented with an Advance Street Name plaque.



Source: VHB

A Combination Horizontal Alignment/Intersection sign simultaneously warns road users of multiple conditions.



Source: PennDOT

An Intersection Warning sign may be supplemented with various warning plaques.



## Targeted Crash Types

- Right-angle
- Rear-end (major road)

## Problems Addressed

- Inadequate visibility of intersection or intersection traffic control devices
- Speeding

## Conditions Addressed

- Poor visibility of the intersection from approaches.
- Crash history or observed conflicts involving lack of awareness of intersection or traffic control.
- Observed speeding on approaches to the intersection.

## Considerations

- Intersection Warning (W2-1 through W2-8) signs may be supplemented with an Advisory Speed (W13-1P) plaque.
- Other than the Circular Intersection (W2-6) sign and the T Symbol (W2-4) sign, Intersection Warning signs should not be used on approaches controlled by STOP (R1-1) signs, YIELD (R1-2) signs, or traffic signals.
- No more than two side road symbols should be displayed on the same side of the highway on an Offset Side Roads (W2-7) or Double Side Roads (W2-8) sign, and no more than three side road symbols should be displayed on a W2-7 or W2-8 sign.
- A Two-Direction Large Arrow (W1-7) sign may be used on the far side of a T-intersection in line with, and at approximately a right angle to, traffic approaching from the stem of the T-intersection. The W1-7 sign may be used with or without intersection traffic control signs.
- For intersections occurring within or immediately adjacent to horizontal curves, the Cross Road (W2-1) sign or Side Road (W2-2 or W2-3) sign may be combined with the Turn (W1-1) sign or Curve (W1-2) sign to create a combination Horizontal Alignment/Intersection sign (W1-10 series).
- The relative importance of the intersecting roadways may be shown by different widths of lines in the symbol.

## Industry Standard

MUTCD

[Section 2C.46: Intersection Warning Signs \(W2-1 through W2-8\), Figure 2A-4, and Table 2C-4](#)

[Section 2C.11: Combination Horizontal Alignment/Intersection Signs \(W1-10 Series\)](#)

## Other Resources

- [Intersection Safety: A Manual for Local Rural Road Owners, FHWA](#)
- [NCHRP 500 Volume 5: A Guide for Addressing Unsignalized Intersections](#)

## Select Examples

- [E. Cave Creek Rd. & N. Tranquil Trl., Carefree, AZ](#)
- [PA 144 & US 322, Spring Mills, PA](#)
- [Renner Blvd. & W. 95th St., Lenexa, KS](#)