

# Pedestrian Safety Countermeasure Guidance at Marked Uncontrolled Crosswalks

**The Table below should be used after an engineering study has been performed and determined that a marked uncontrolled crosswalk is appropriate. Countermeasures shown in the chart are not mandated or required, and should be based on engineering judgment.**

Town: # of Lanes/Crosswalk Length: ADT: Presence of Lighting: Median Presence:  
 Location: Ped. Generator Nearby: Posted Speed: # of Pedestrians/Hour: Sightline:

| # of Lanes              | <b>Roadway Average Daily Traffic (ADT) and Posted Speed Limit*</b> |        |          |                                   |        |          |                     |        |          |
|-------------------------|--|--------|----------|-----------------------------------|--------|----------|---------------------|--------|----------|
|                         | <b>1,500 &lt; ADT &lt; 9,000</b>                                   |        |          | <b>9,000 &lt; ADT &lt; 15,000</b> |        |          | <b>ADT ≥ 15,000</b> |        |          |
|                         | ≤ 30 MPH   | 35 MPH | ≥ 40 MPH | ≤ 30 MPH                          | 35 MPH | ≥ 40 MPH | ≤ 30 MPH            | 35 MPH | ≥ 40 MPH |
| 2                       | A  | A      | C/D      | A                                 | A      | C/D      | A                   | A      | D        |
| 3 (w/ raised median)**  | A  | A      | C/D      | A                                 | C/D    | C/D      | A                   | C/D    | D        |
| 3 (w/o median)          | A  | A      | D        | A                                 | C/D    | D        | A                   | D      | D        |
| 4+ (w/ raised median)** | A  | A      | D        | A                                 | C/D    | D        | C/D                 | D      | D        |
| 4+ (w/o median)         | A/B  | B      | B/D      | B                                 | B/C/D  | B/D      | B/C/D               | B/D    | B/D      |

**Countermeasures (include A at a minimum):**

- A - [High-Visibility Crosswalk](#) with markings, signage (*consider including [overhead lighting](#)*)
- B - [Pedestrian Refuge Island](#)
- C - [Rectangular Rapid Flashing Beacon](#) (RRFB) – Minimum crossing volume of 20 pedestrians/hour recommended; or 10 pedestrians/hour if there are a high number of vulnerable users, or if the reduced volume is met for three consecutive hours
- D - [Pedestrian Hybrid Beacon](#) (PHB; previously HAWK) – Refer to MUTCD Figures 4F-1 and 4F-2 for minimum criteria conditions

**Additional countermeasures (less commonly used):**

- [Curb Extensions](#)
- [Road Diet](#) – Consider this countermeasure for all roadways with four or more lanes without a raised median; typically, Road Diets are considered for roadways with current and future ADT equal to or less than about 20,000 vehicles per day
- [In-Street Pedestrian Crossing Sign](#) – Towns may request this countermeasure on State roads under encroachment permit
- [Raised Crosswalk](#) – Not used on State roads but can be installed by municipalities on local roads

Crossing treatments are generally not installed at locations where the ADT is lower than 1,500 vehicles per day. Exceptions may be made at school and trail crossing locations where the peak hour vehicle traffic exceeds 10% of the ADT; school crossings are defined as locations where 10 or more student pedestrians are crossing per hour.

For questions or guidance about using this form, please contact [TrafficSafety.DOT@CT.gov](mailto:TrafficSafety.DOT@CT.gov).  
 For questions regarding installation of countermeasures on State roads, please contact [DOT.TrafficEngineering@CT.gov](mailto:DOT.TrafficEngineering@CT.gov).

This Table was created using the Federal Highway Administration’s [Guide for Improving Pedestrian Safety at Uncontrolled Crossing Locations](#).

\*if available, 85<sup>th</sup> percentile speed should be used instead of the posted speed  
 \*\*assumes raised median is at least 4’ wide and 6’ long to adequately serve as a refuge area for pedestrians