

RAISED CROSSING

Purpose

Reduce vehicle speeds, increase motorist yielding, and improve bicyclist and pedestrian crossing safety.

Description

Crossings elevated at least three inches above the roadway, up to the sidewalk level.

Estimated Cost



Applicable Locations

- Raised crossings are a treatment option often used at the midblock. However, intersections can also have raised crosswalks or the entire intersection can be raised.
- Roadways with a posted speed of 30 mph or lower.
- Common on school campuses, at shopping centers, and in pick up/drop off zones.

Applicable Street Types

- Downtown Street
- Town Center Street
- Neighborhood Connector
- Neighborhood Street
- Neighborhood Yield Street

Safety Benefits

- Increases pedestrian prominence in motorist field of vision.
- May reduce vehicle speeds and improve motorist yielding.
- Provides flatter surface for pedestrians with disabilities.

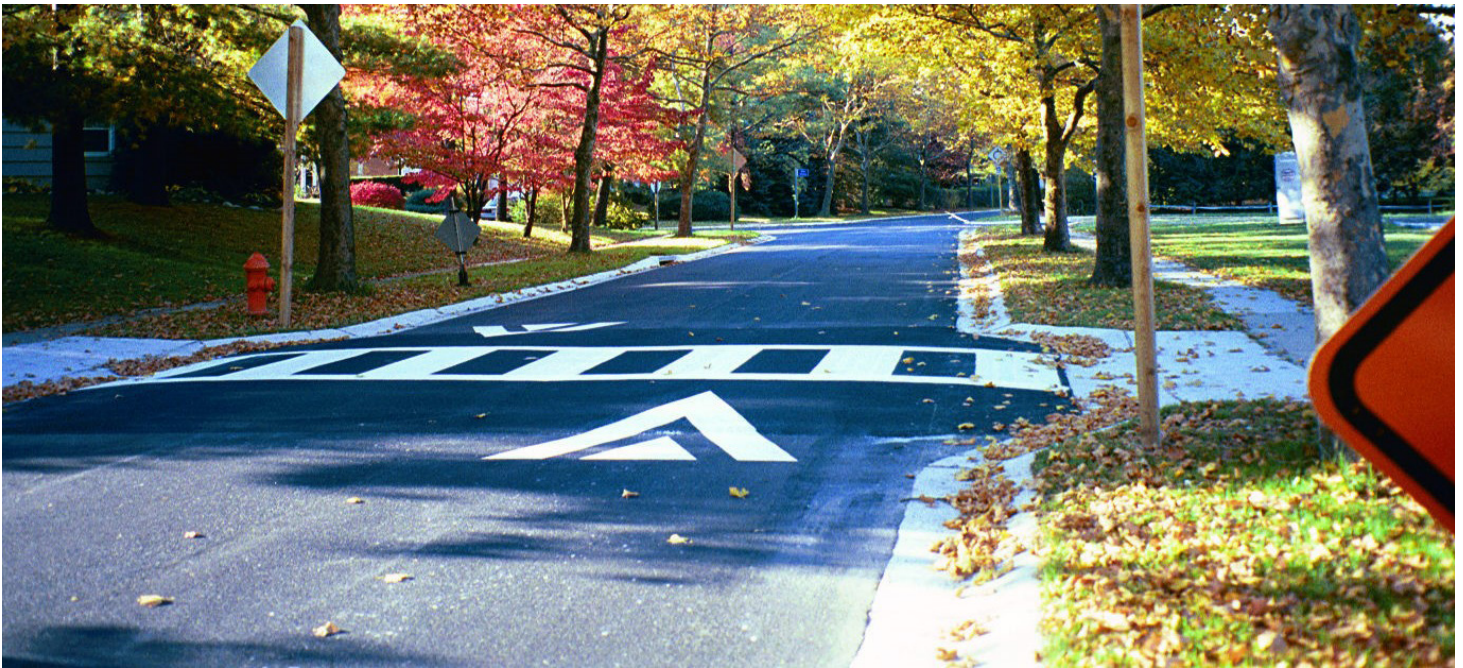
Expected Crash Reduction

45 percent for pedestrian crashes.⁴⁴

51 percent for bicycle-motor vehicle crashes on entrances or exits to streets and driveways.⁴⁵

Design Guidance

- Place ramps on each vehicle approach.
- Raised crossings are often demarcated with different paving materials and additional paint markings.



- Mark the crossing with high-visibility crosswalk markings.
- Install with applicable warning sign (MUTCD W11-1, W11-2, W11-15, or S1-1).
- Raised crossings do not require curb ramps, though truncated domes should be included at each crossing entrance.

Considerations

- Raised crossings at sidewalk level are preferred for pedestrian accessibility and comfort, and safety.
- Raised crossings should not be used on steep curves or roadways with steep grades.
- May be used for bicyclists along crossings for shared use paths and sidepaths.
- Consider drainage needs.
- Further consideration is needed for roadways heavily used by trucks, buses, and emergency vehicles.

Systemic Safety Potential

Best suited as a spot treatment.

Additional Information

- Field Guide for Selecting Countermeasures at Uncontrolled Pedestrian Crossing Locations
- FHWA Guide for Improving Pedestrian Safety at Uncontrolled Crossing Locations