PEDESTRIANS

Raised Intersection

A raised intersection elevates the entire intersection surface to the level of the adjacent sidewalks, creating a continuous, level crossing for pedestrians and a

traffic-calming effect for vehicles. How and Where to Apply

- Apply at low-speed urban intersections with frequent pedestrian crossings to improve safety, visibility, and encourage yielding behavior.
- Use near schools, parks, or downtowns where walkability and pedestrian priority are essential for public space quality and safety.
- Implement at locations with histories of pedestrian-related crashes to reduce conflict severity and support traffic calming through visual elevation changes.

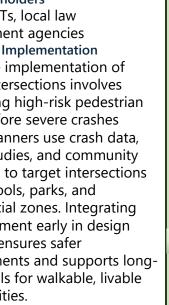
Use in a Safe System Approach Raised intersections align with the Safe System Approach by prioritizing human vulnerability and proactively reducing crash risk. Elevating the intersection creates physical separation and lowers vehicle speeds at conflict points, reducing the likelihood and severity of crashes. This treatment supports safer streets for all users, especially pedestrians and wheelchair users.

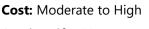
Key Stakeholders State DOTs, local law enforcement agencies **Proactive Implementation** Proactive implementation of raised intersections involves identifying high-risk pedestrian areas before severe crashes occur. Planners use crash data, speed studies, and community feedback to target intersections near schools, parks, and commercial zones. Integrating this treatment early in design projects ensures safer environments and supports longterm goals for walkable, livable communities.

Countermeasure Overview

Objective: Reduce Pedestrian Exposure to Vehicular Traffic.

Strategy: Construct Pedestrian Refuge Islands and Raised Medians.





Service Life: 20 years

Benefit-Cost Ratio: <u>0.207</u>



Tier 2

Targeted Solution

Source: Raised Intersection

Users

Selected Related Countermeasures

Raised Crosswalks

Mini-Roundabouts

Textured or Colored Pavement



Slows vehicles and increases awareness of crossing pedestrians at intersections.





- Pedestrian Safety Guide and Countermeasure Selection System
- **CBA: Installation of Speed Humps**

