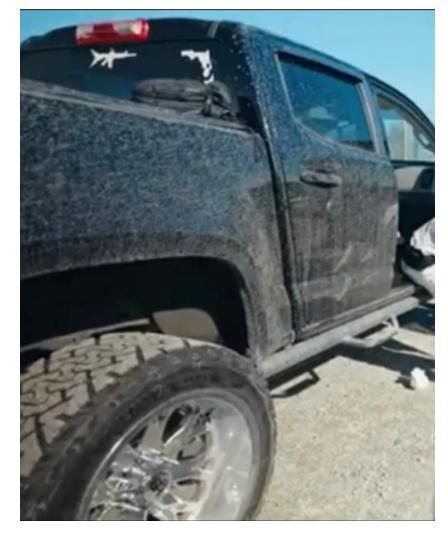


UNIT 1 WAS MAKING A LEFT TURN FROM HOWARD STREET TO S DEPOT STREET. THE PEDESTRIAN WAS CROSSING FROM HOWARD STREET EAST OF S DEPOT STREET IN THE PEDESTRIAN CROSS WALK. UNIT 1 STRUCK THE PEDESTRIAN WHILE SHE WAS CROSSING. DRIVER OF UNIT 1 STATED HE WAS LOOKING TO HIS RIGHT TO CHECK IF IT WAS CLEAR AS HE MADE THE LEFT TURN. WHEN HE LOOKED BACK, HE SAW THE PEDESTRIAN JUST AS HE STRUCK HER. THE PEDESTRIAN STATED SHE STOPPED AT THE CROSS WALK, LOOKED BOTH WAYS, AND LOOKED AT UNIT 1, WHO HAD STOPPED AT THE STOP SIGN. SHE THEN PROCEEDED TO CROSS. AS SHE WAS CROSSING, UNIT 1 BEGAN TO MAKE THE LEFT TURN. SHE STATED SHE THOUGHT HE WOULD STOP, BUT HE DID NOT AND STRUCK HER.







Vehicles with higher, more vertical front ends pose greater risk to pedestrians

November 14, 2023

nsurance Institute for Highway Safety Highway Loss Data Institute



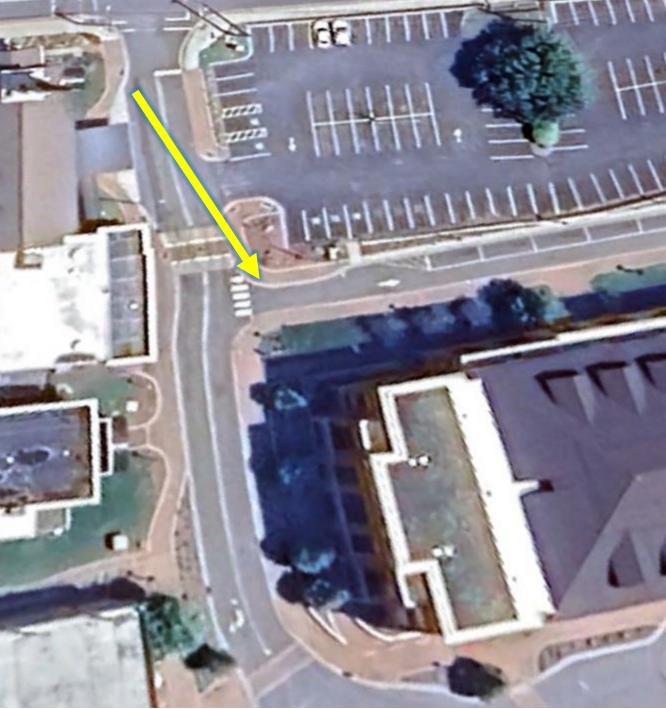
Easy & Now: Flashing LED Stop Signs, with pedestrian buttons (MUTCD compliant)



Easy: Curb Extensions or Neckdowns







Easy & Now: Temporary Curb Extensions







Curb Extensions & Drainage

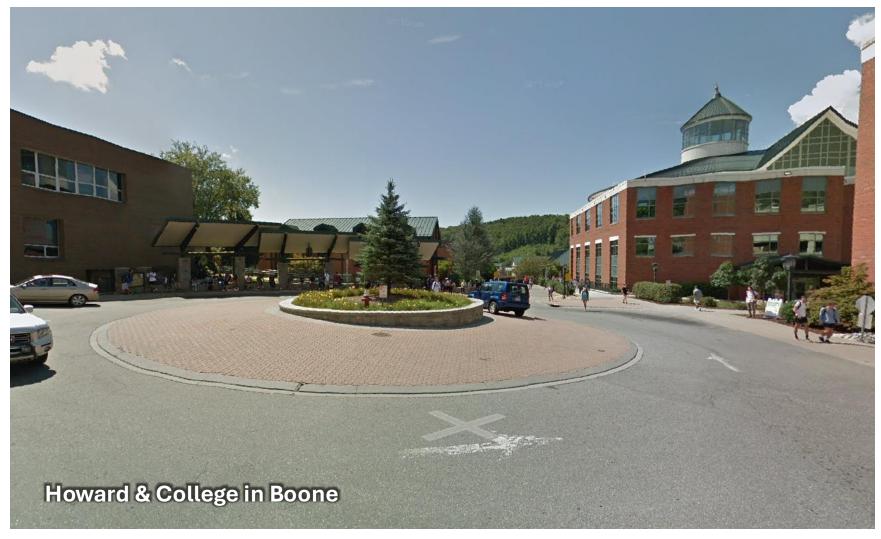
Floating Curb Extension





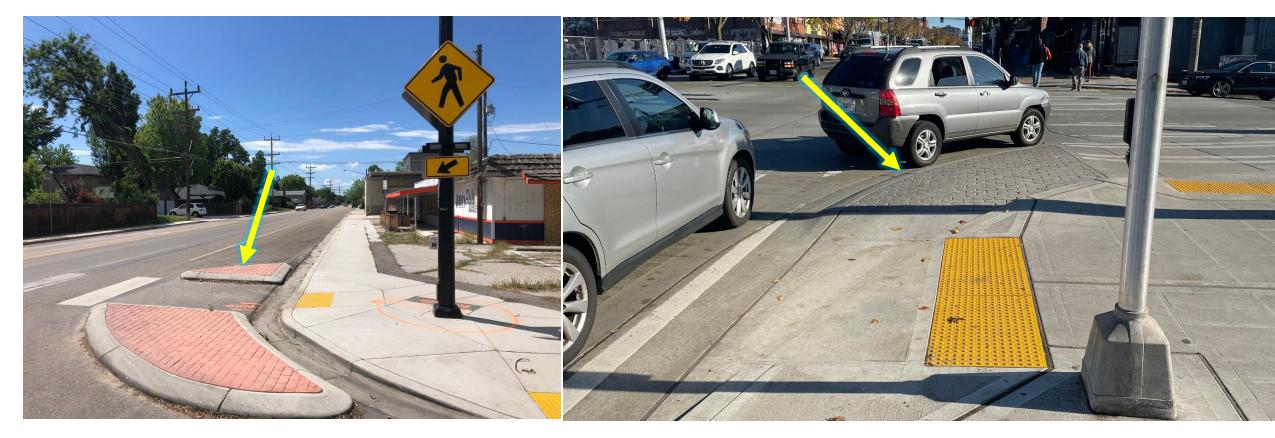
Curb Extensions & Large Vehicles

Mountable Aprons, similar to what's is placed on the interior of roundabouts.



Curb Extensions & Large Vehicles

Mountable Aprons, similar to what's on the interior of roundabouts.







Curb Extensions & Snow: NOT AN ISSUE!

Boone Annual Snowfall: 40 inches



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Curb Extensions & Snow: NOT AN ISSUE!

Boone Annual Snowfall: 40 inches



DEPARTMENT OF TRANSPORTATION

Designing and Implementing Maintainable Pedestrian Safety Countermeasures

David Veneziano, Principal Investigator Institute for Transportation Iowa State University

JUNE 2023

Research Project Final Report 2023-18

CHAPTER 5: Design and Snow Removal Best Practices
5.1 Design Best Practice Considerations68
5.1.1 Snowplow Damage and Maintainability of Curbs and Curb Extensions
5.1.2 Snow Removal Damage to Truncated Domes69
5.1.3 Decorative Crosswalks69
5.1.4 Bollards70
5.1.5 Drainage
5.1.6 Snow Storage71
5.1.7 Pedestrian Crossings of Median Islands, Splitter Islands, and "Porkchop" Islands72
5.2 Best Practices for Snow Removal at Pedestrian-Roadway Interfaces74

https://mdl.mndot.gov/_flysystem/fedora/2023-06/202318.pdf

Curb Extension with Sharp Minor Corners



Curb Extension with Rounded Minor Corners

Raised Intersection



National Association of City Transportation Officials

"Similar to speed humps and other vertical speed control elements, they reinforce slow speeds and encourage motorists to yield to pedestrians at the crosswalk."



RECOMMENDATIONS

Raised intersections are flush with the sidewalk and ensure that drivers traverse the crossing slowly. Crosswalks do not need to be marked unless they are not at grade with the sidewalk. ADA-compliant ramps and detector strips are always required. Bollards along corners keep motorists from crossing into the pedestrian space. Bollards protect pedestrians from errant vehicles.

+ More Info

Where two 1-way streets intersect, there will be two corners around which no drivers turn. This can be designed with the smallest constructible radius (approximately 2 feet) as long as a 40-foot fire truck can make the turn without encroaching upon the sidewalk.

Raised Intersection or Crosswalks

Raised Crosswalk





Safe Roads for a Safer Future Investment in roadway safety saves lives



Raised crosswalks can reduce pedestrian crashes by 45%

FEATURES:

- Elevated crossing makes the pedestrian more prominent in the driver's field of vision, and allows pedestrians to cross at grade with the sidewalk
- Approach ramps may reduce vehicle speeds and improve motorist yielding

OFTEN USED WITH:

 Crosswalk visibility enhancements

Raised Intersection or Crosswalks



Raised Intersection or Crosswalks

Raised Crosswalk

Slot Drains



Enhanced Pedestrian Lanes







ADA Compliance





ADA Compliance





Portland, OR: Hardened center line

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Portland, OR: Hardened center line

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