Pedestrians are People Too

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People walking who are killed and injured in traffic in U.S. annually:

- 5,000 pedestrian fatalities (14 people / day)
- 70,000 pedestrian injuries (192 people / day)

How many deaths and injuries are acceptable?

https://safety.fhwa.dot.gov/provencountermeasures/walkways/
Walking in a Clear Zone

A **clear zone** is an unobstructed, traversable area beyond the edge of the through traveled way for the recovery of errant vehicles. Clear zones are free of rigid fixed objects such as trees and utility cabinets or poles. AASHTO's Roadside Design Guide details the clear zone width adjustment factors to be applied at horizontal curves.
Target Design Speed

At what speed can you still navigate road?

Speed slowed down with stop lights

Posted Speed Limit: 40 mph

NACTO: Use design criteria that are at or below the target speed of a given street. The use of higher speeds should be reserved for limited access freeways and highways and is inappropriate on urban streets, including urban arterials.

https://nacto.org/publication/urban-street-design-guide/design-controls/design-speed/
Transportation Psychologist

Both are 20mph zones, but only one of them is designed like it.
Average risk of death at impact for a pedestrian rises as speed increases:

- 10% at 23 mph
- 50% at 42 mph
- 90% at 58 mph

https://safety.fhwa.dot.gov/provencountermeasures/ped_hybrid_beacon/
In 7 years on 6 miles of N. Lamar:

13 people killed (8 were people walking)

67 people with incapacitating injuries (14 were people walking)

TTI: 52% of people failed to yield to vehicles

Donald Norton crossed in a motorized wheelchair

“crossing the roadway where there was no crosswalk or intersection” (APD)

APD did not note: continuous sidewalk

How can a wheelchair navigate this?
2 Parking Spaces is Enough Room For:

- Café Seating
- 40 bikes
- 4 shared vehicles
- 3-4 bedrooms
- 2 food trucks with 4-8 jobs
Pedestrian Hybrid Beacons

Safety Benefits:

69%
Reduction in pedestrian crashes

29%
Reduction in total crashes

15%
Reduction in serious injury and fatal crashes

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