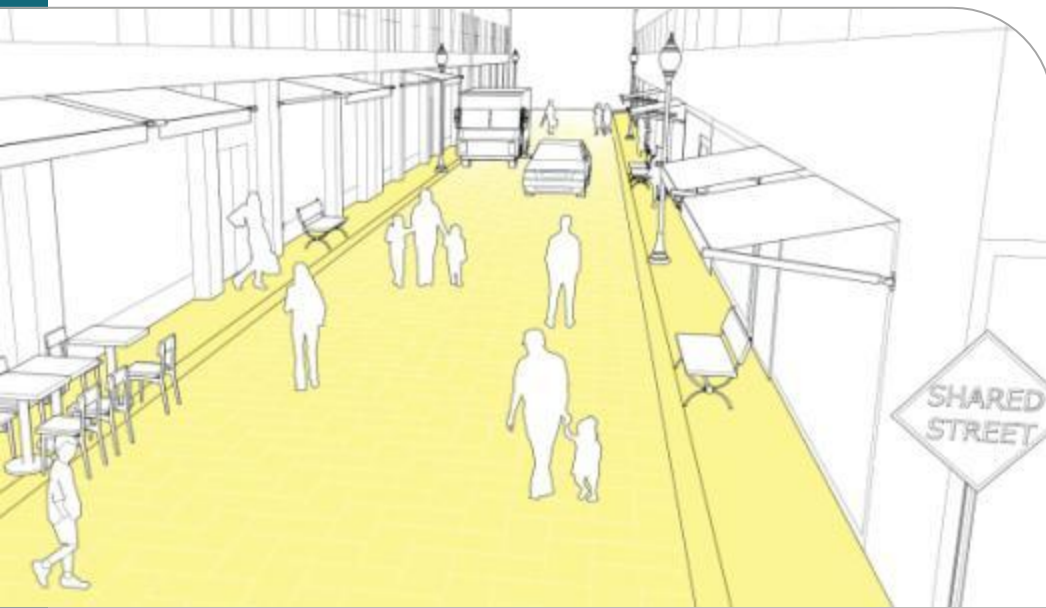


The Urban Street Design Guide

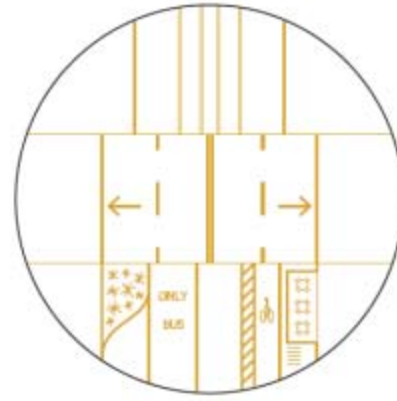




Streets Are
Public Spaces



Great Streets are
Great for Businesses



Streets Can
Be Changed



Design for
Safety



Streets are
Ecosystems



Act Now!





Streets Are Public Spaces





OPENING
JUNE 26
MY SISTER'S
KEEPER

WHY WE GO
MAD THAT
ANGELS AND DEMONS
ARE IN RUINS
TERMINATOR

OLD



It's not sustainable if it's not beautiful





Great Streets are Great for Business





Tree-cover
rating:

81%

Median
household
income:

\$205,750



Tree-cover
rating:

64%

Median
household
income:

\$78,523



Tree-cover
rating:

48%

Median
household
income:

\$36,250

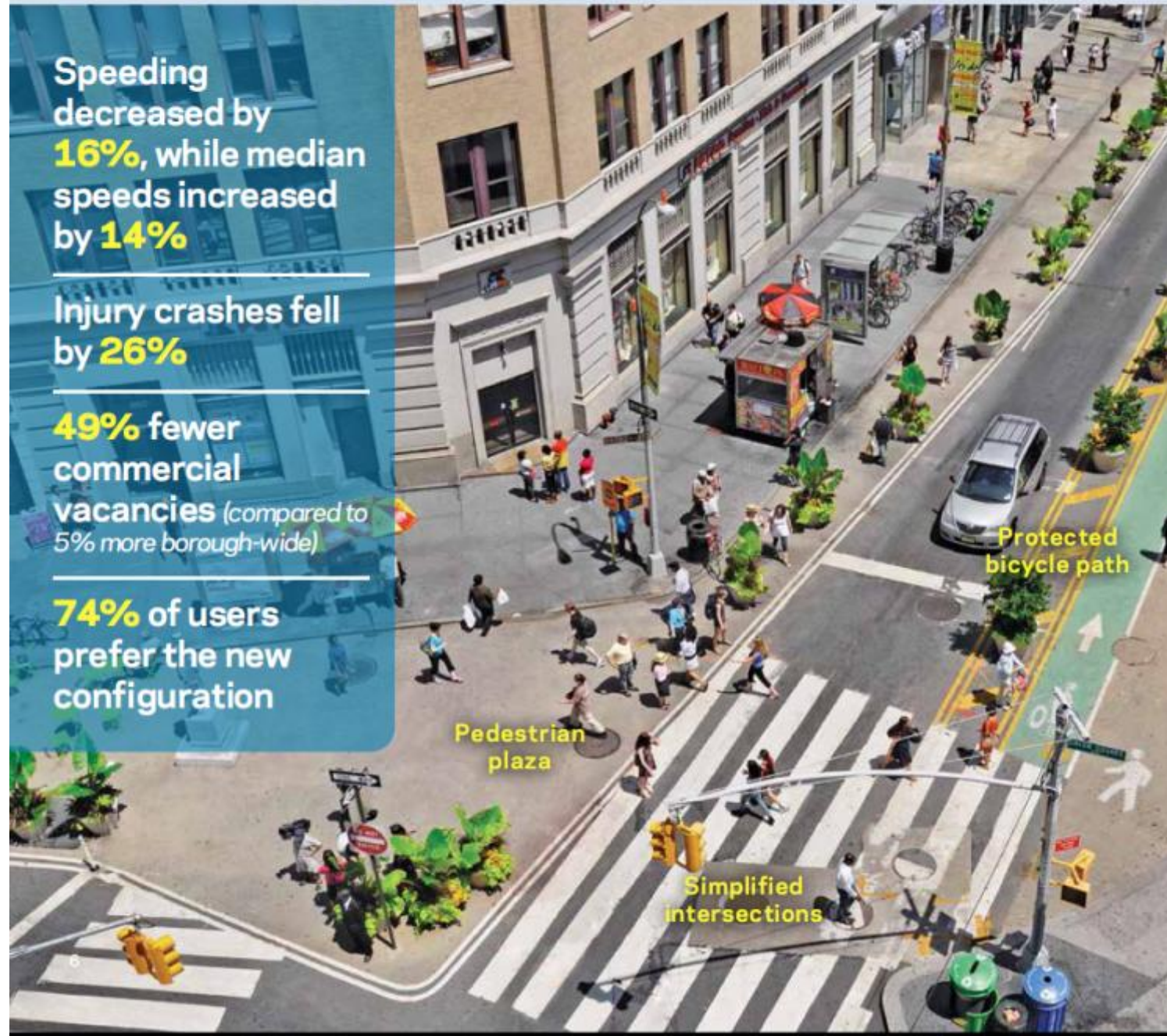
Expanding an iconic space: Union Square North (Manhattan)

Speeding decreased by **16%**, while median speeds increased by **14%**

Injury crashes fell by **26%**

49% fewer commercial vacancies *(compared to 5% more borough-wide)*

74% of users prefer the new configuration



Protected bicycle path

Pedestrian plaza

Simplified intersections

Transforming an underused parking area: Pearl Street (Brooklyn)

172% increase
in retail sales *(at*
locally-based businesses,
compared to 18%
borough-wide)

BID held **27** public
events in 2012

Maintenance
partner agreement

Pedestrian
plaza

Creating a seating area out of curb lane: Pearl Street (Manhattan)

77% increase in
seated pedestrians

14% increase in
sales at fronting
businesses

Striping and
planters

Seasonal seating
platform in
curbside lane



Streets can be Changed













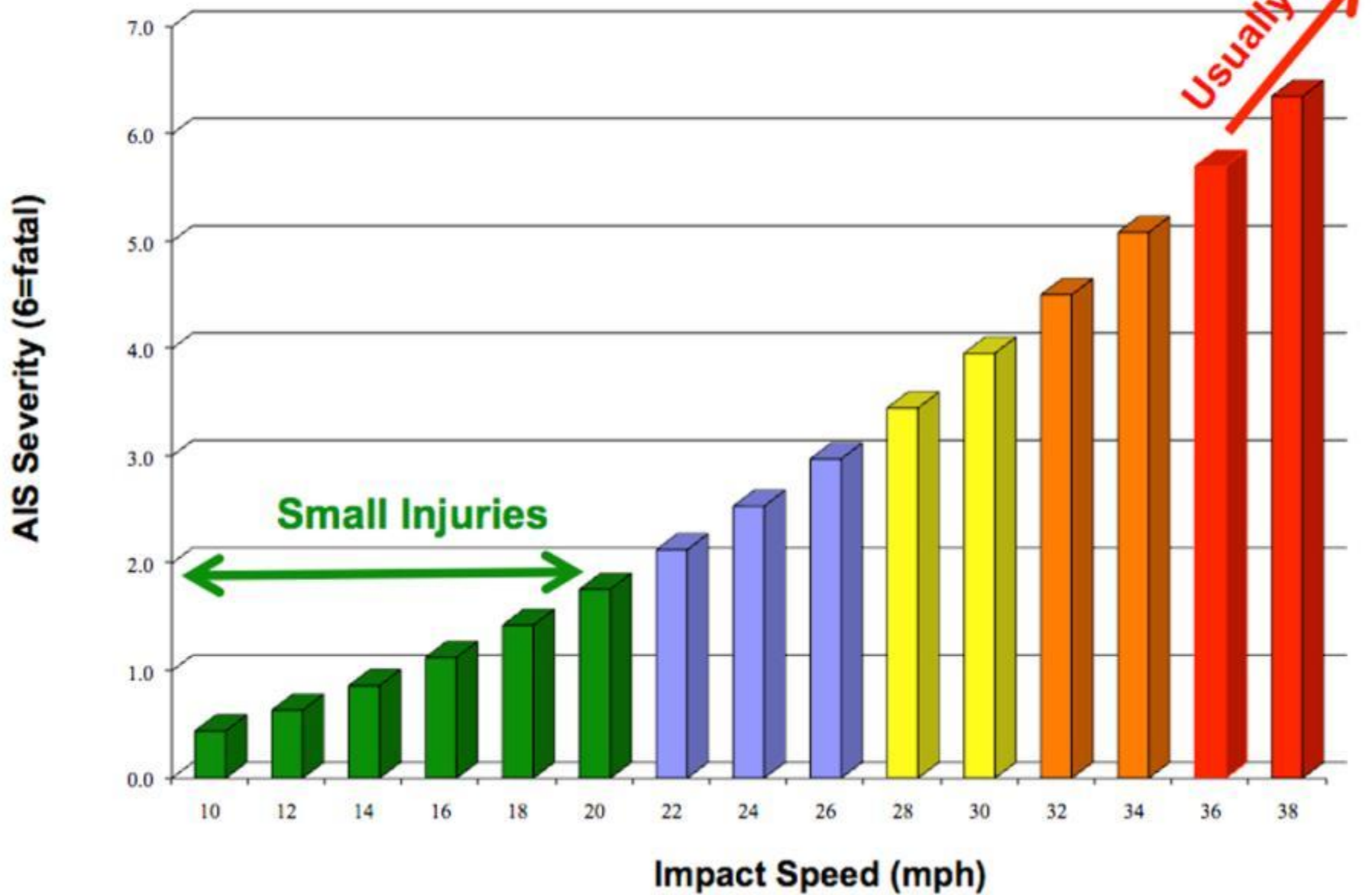


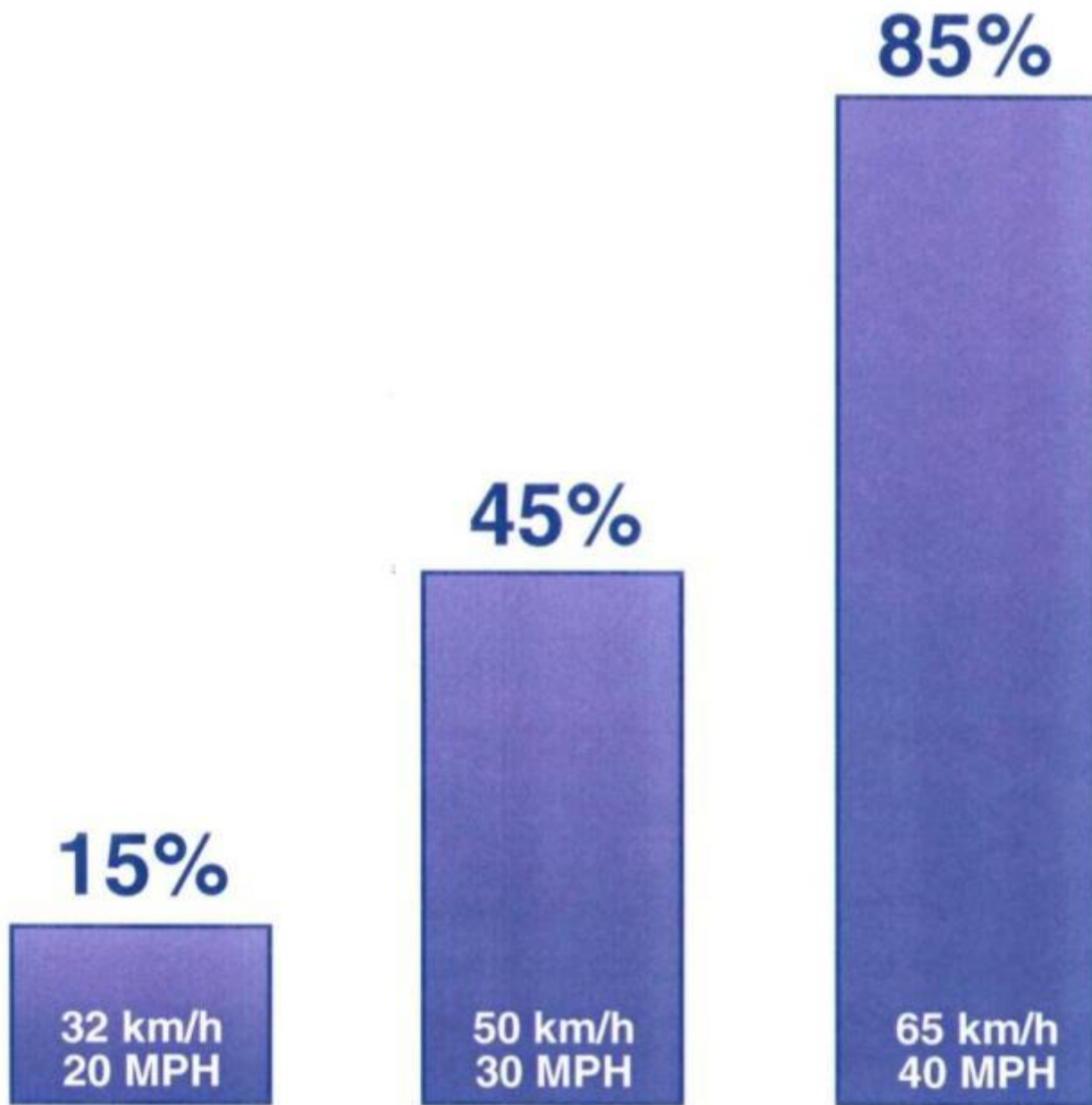
Design for Safety



Vehicle Impact Speed vs. Pedestrian Injury

(initial impact only)





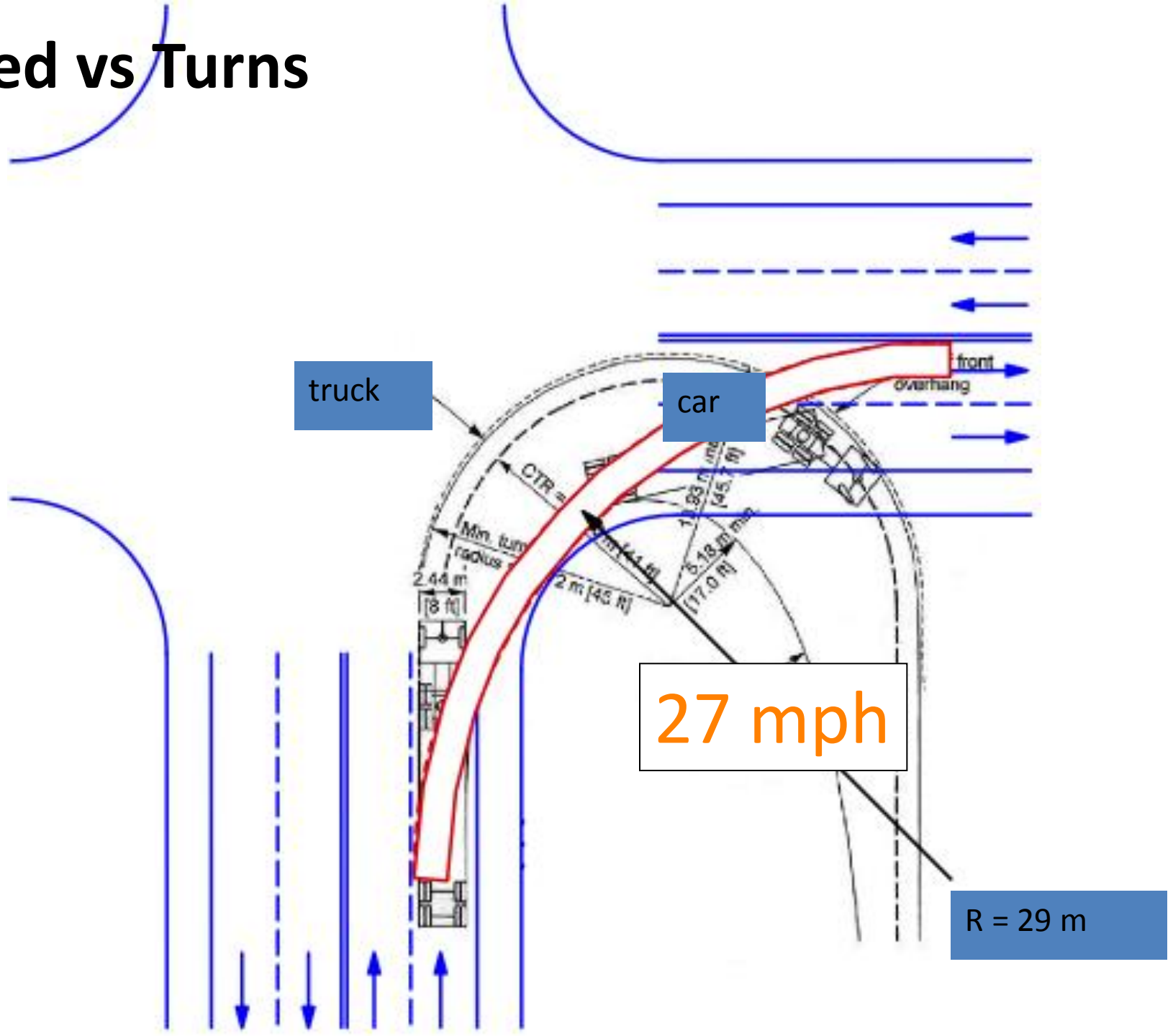
Pedestrians' chances of death if hit by a motor vehicle

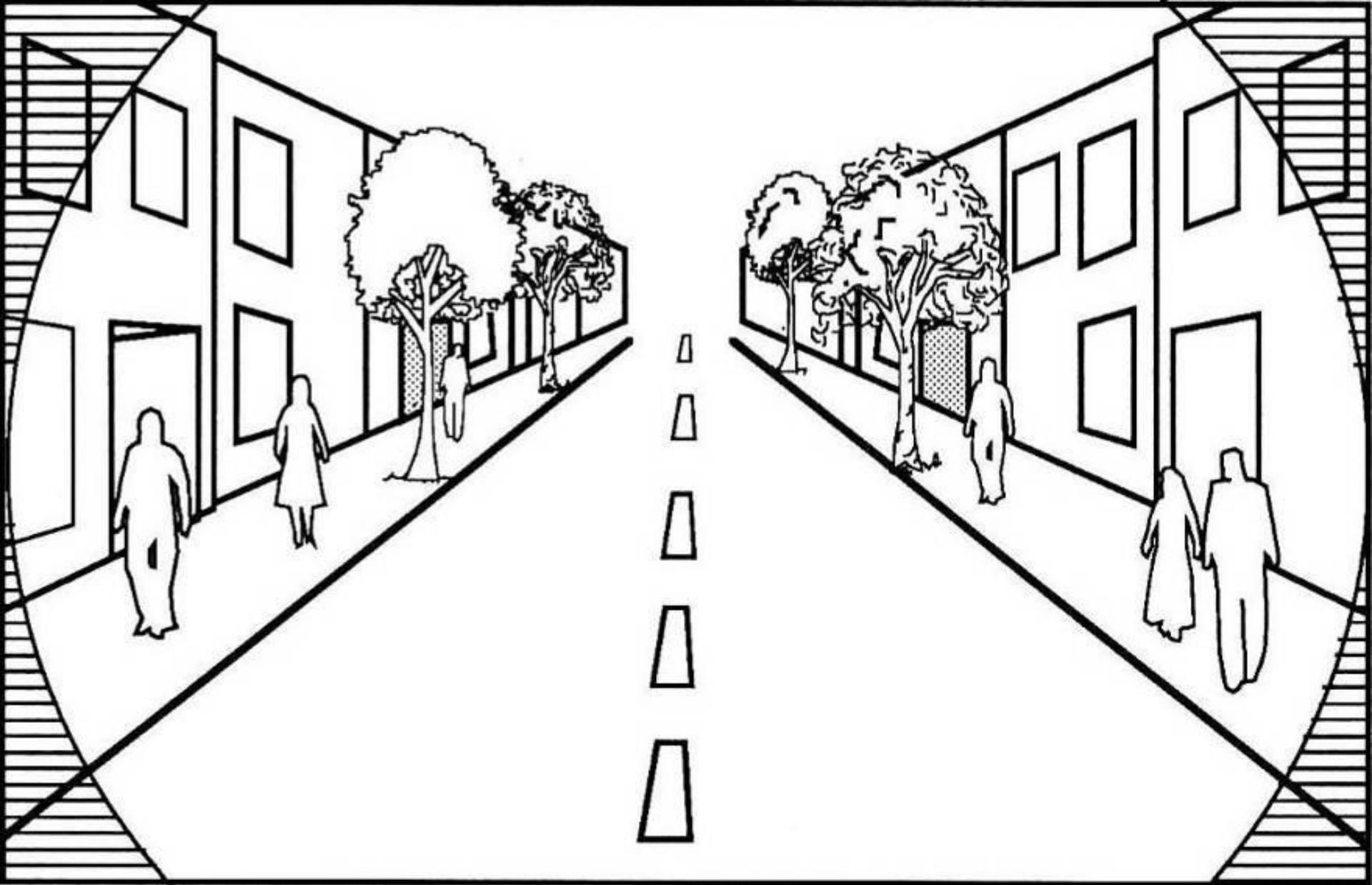
SOURCE: *Killing Speed and Saving Lives*, UK Department of Transportation

Nearly an 80% chance of death if hit

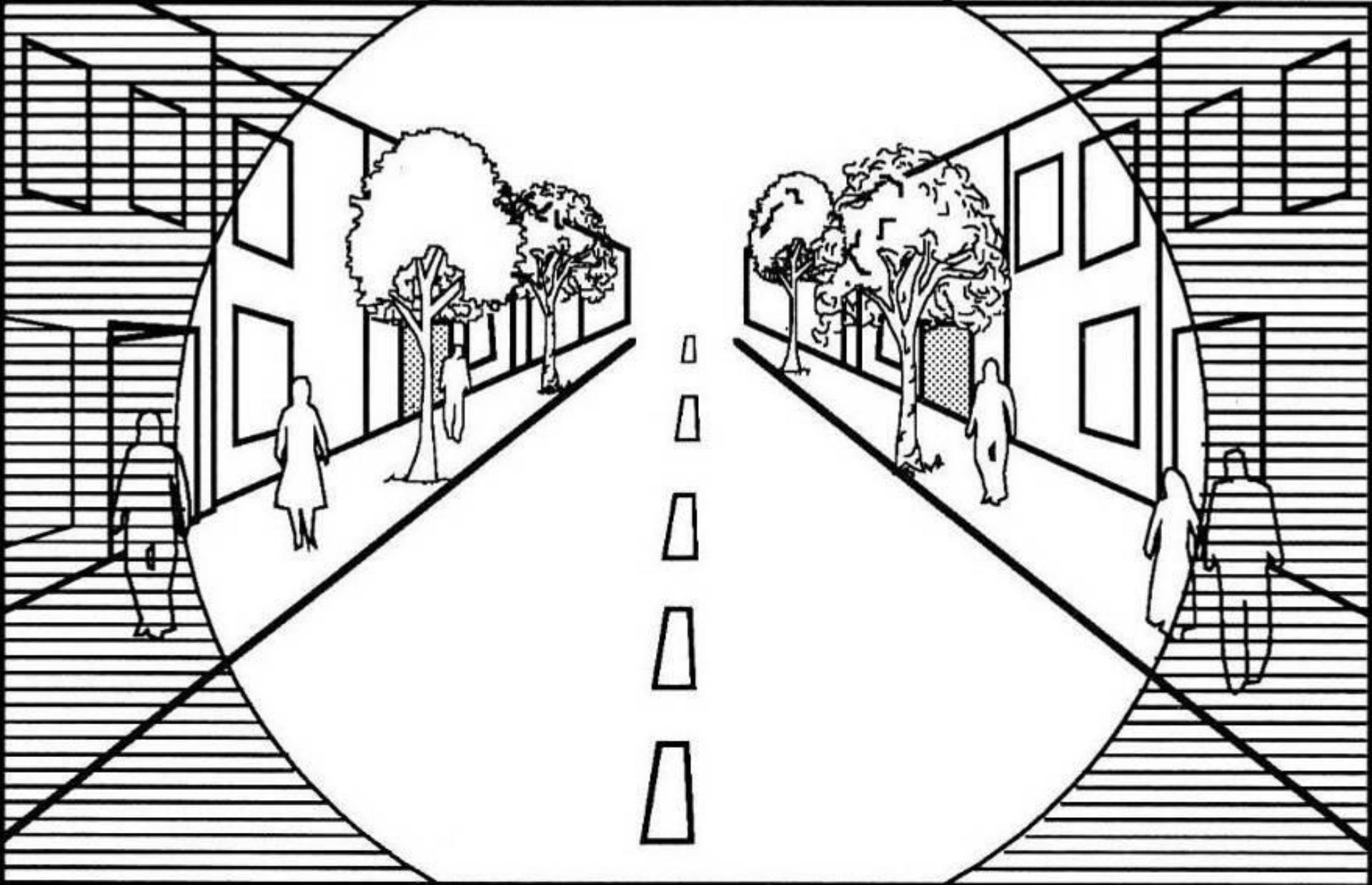


Speed vs Turns

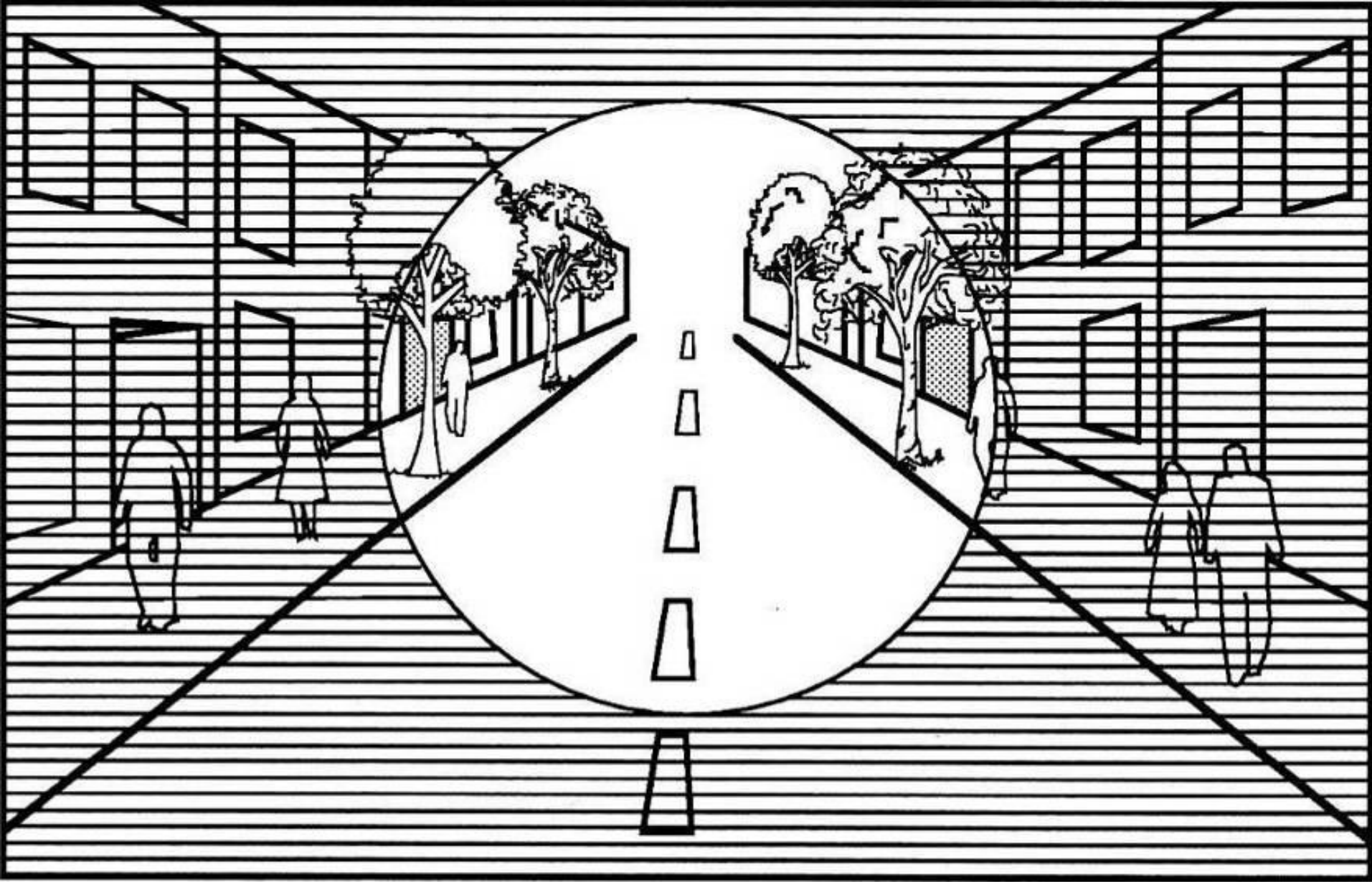




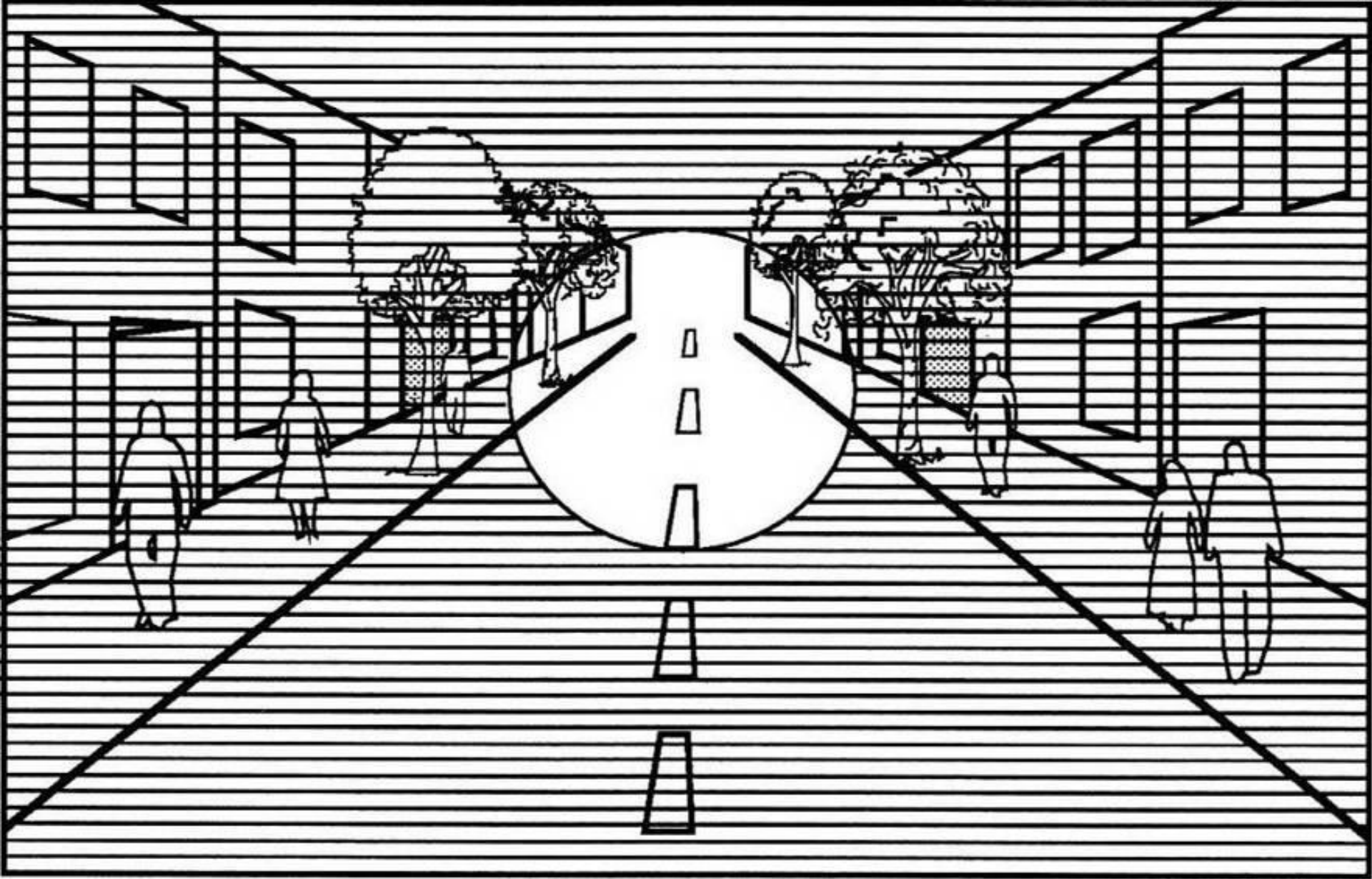
15 MPH



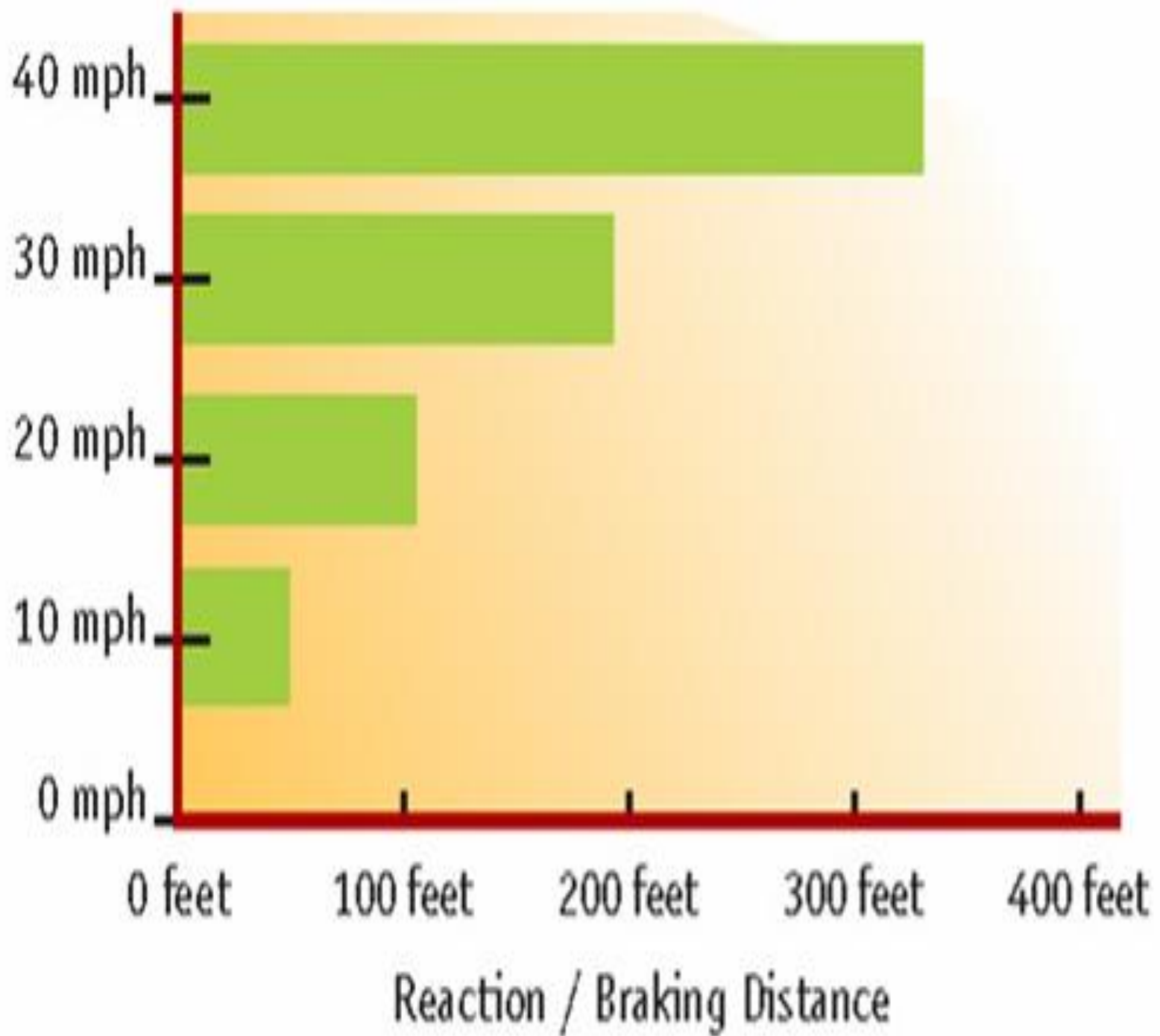
22 MPH



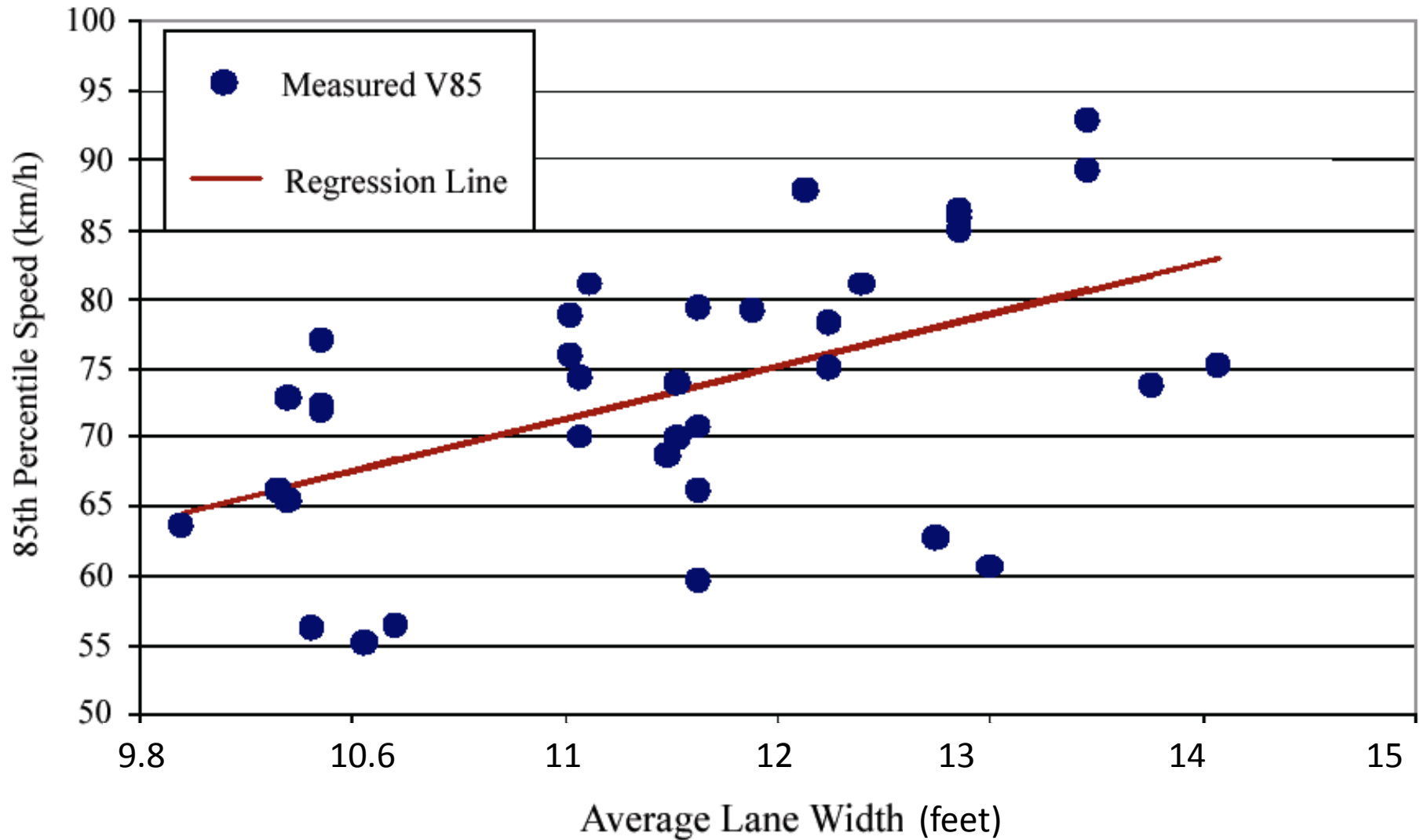
25 MPH



30 MPH



Speed vs Lane Width



3 MPH Reduction in Speed =

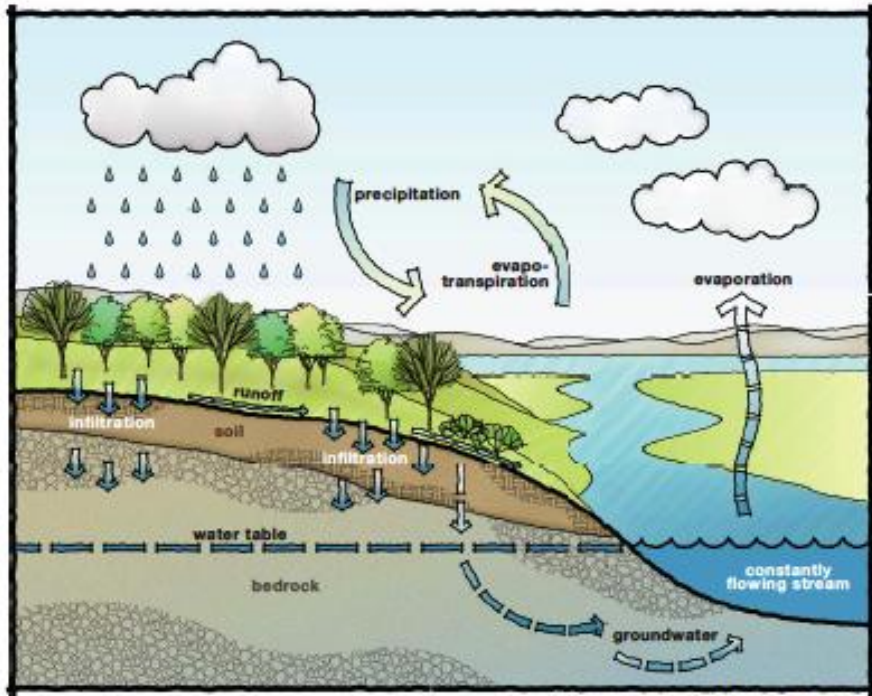
- 15% fewer collisions
- 10% fewer pedestrian deaths
- 20% fewer pedestrian serious injuries



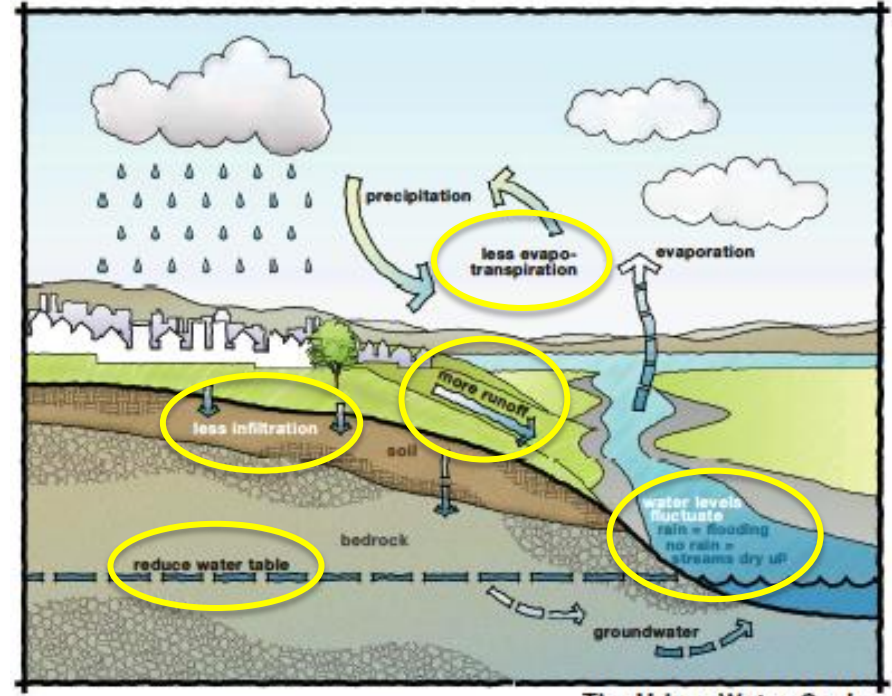
Streets are Ecosystems



Urban Stormwater Issues



The Natural Water Cycle



The Urban Water Cycle

Streets and Water Flow

- Concentrated flow
- Increased flow volume
- Relationship to flooding



Green Design Elements in Sustainable Streets

Plazas - Rain Gardens



Source: www.annarbor.com

Planter Strips – Swales, Rain Gardens, Trees



Source: sfbetterstreets2.szplanning.org

Curb Extensions – Rain Gardens



Source: www.myballard.org

Linked Tree Wells/Curbed Planters



Source: blog.g8-life.com

Parking Lane – Permeable Paving, Rain Gardens



Source: www.cityofberkeley.info on 04.12.13



Source: www.sfbetterstreets.org



Source: www.blogspot.com on 3.7.2012



Source: www.extension.org

Green Streets



Green Streets





Act Now!

