

CIA TEAM

SAFETY

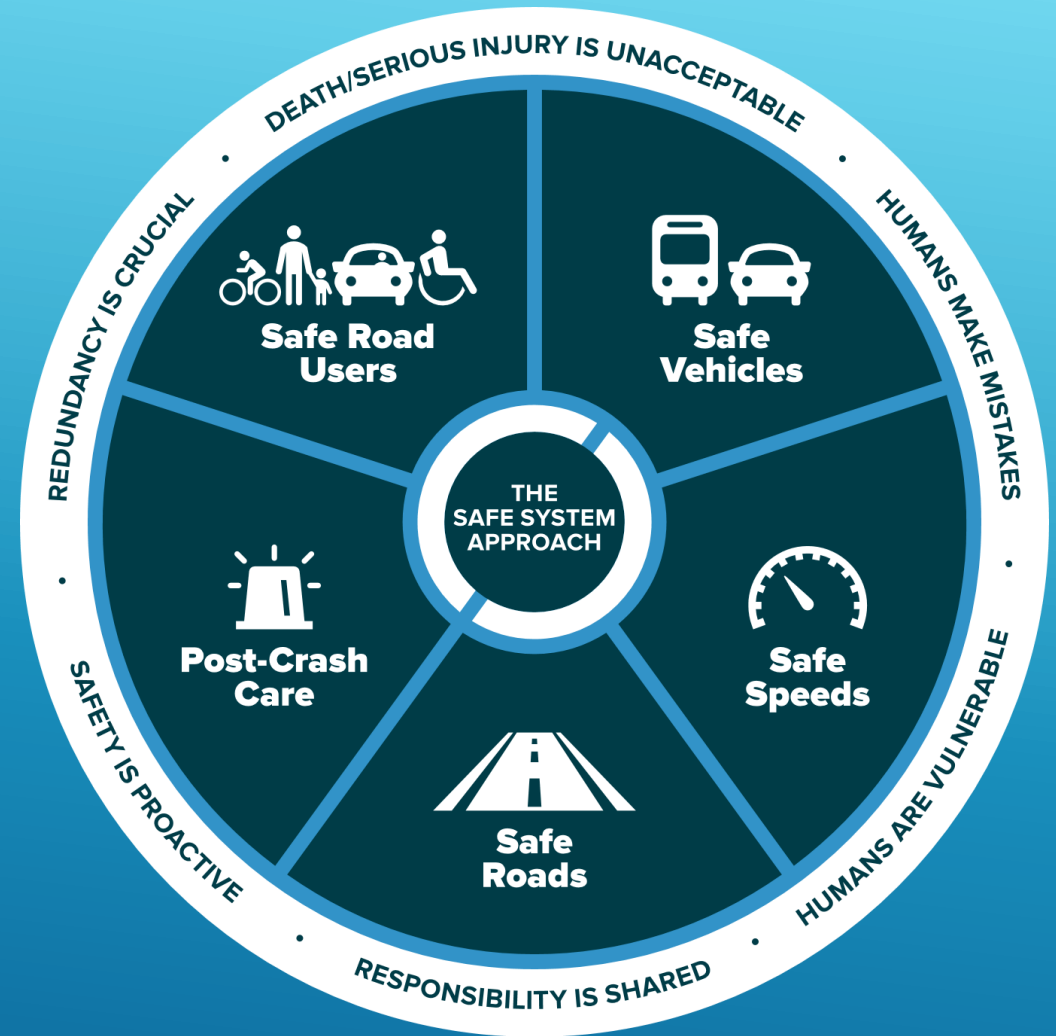
NJDOT – Dan LiSanti

FHWA – Keith Skilton

SAFE SYSTEM APPROACH



Source: NJDOT



Source: FHWA

COMPLETE STREETS



Death/serious injury is unacceptable



Humans make mistakes



Humans are vulnerable



Responsibility is shared



Safety is proactive



Redundancy is crucial

Source: FHWA

INTERSECTIONS



Source: NJDOT



Source: NJDOT

INTERSECTION DESIGN

ROADWAY DESIGN MANUAL



2015



SIMPLIFY

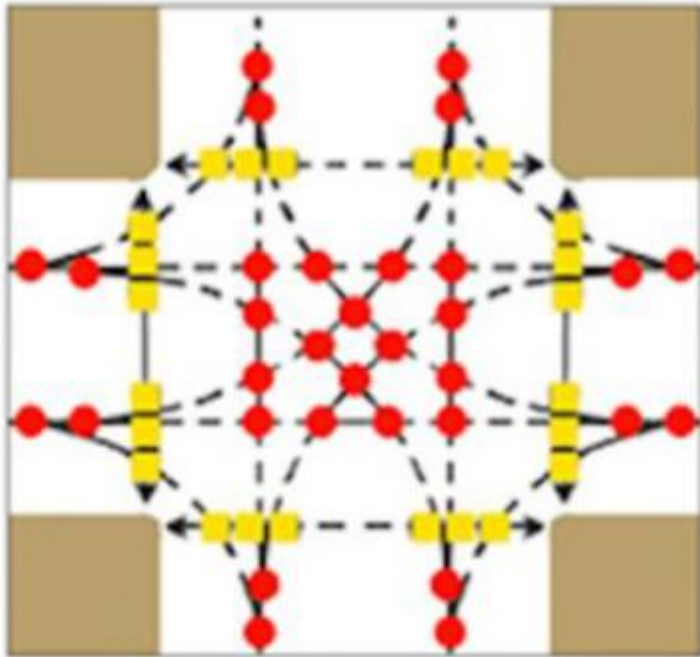
SLOW

SEPARATE

Source: FHWA

SIMPLIFY

“Conventional” Intersection



● 32 Vehicle conflicts

■ 24 Pedestrian conflicts

Source: FHWA

SPICE
Safety Performance for Intersection Control Evaluation

CAPX
Capacity Analysis for
Planning of Junctions

SLOW

Pedestrian hit
by a vehicle
traveling
at speed...



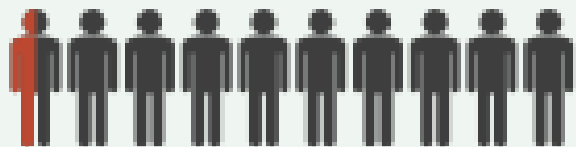
40 MPH



85 % fatality rate



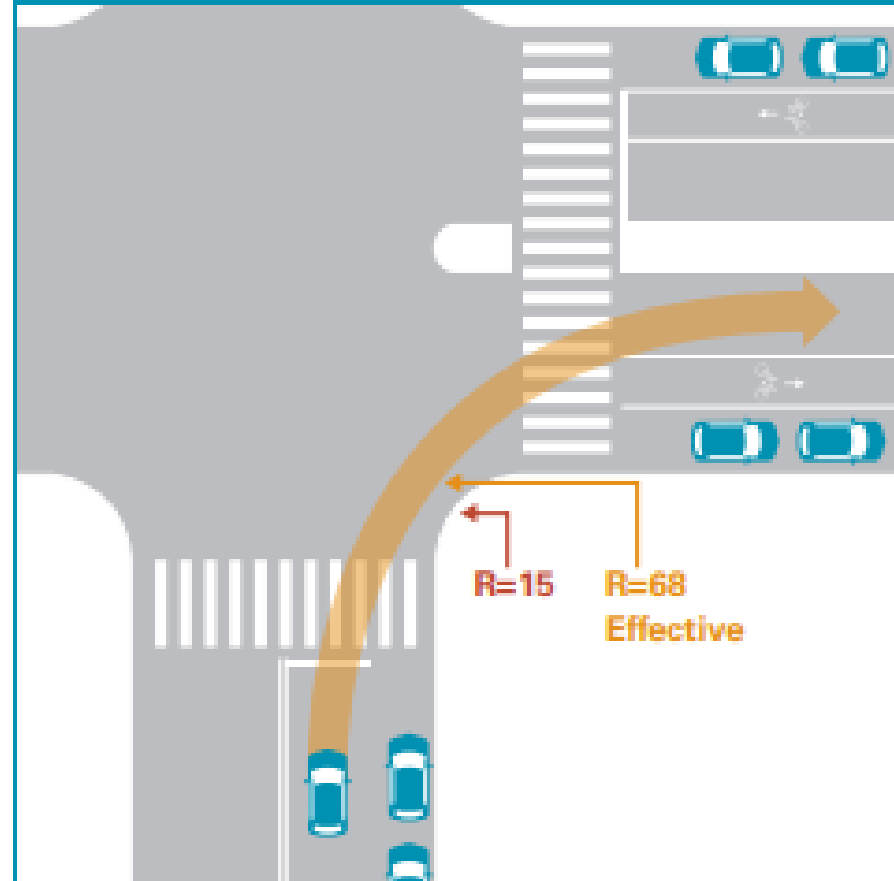
20 MPH



5 % fatality rate

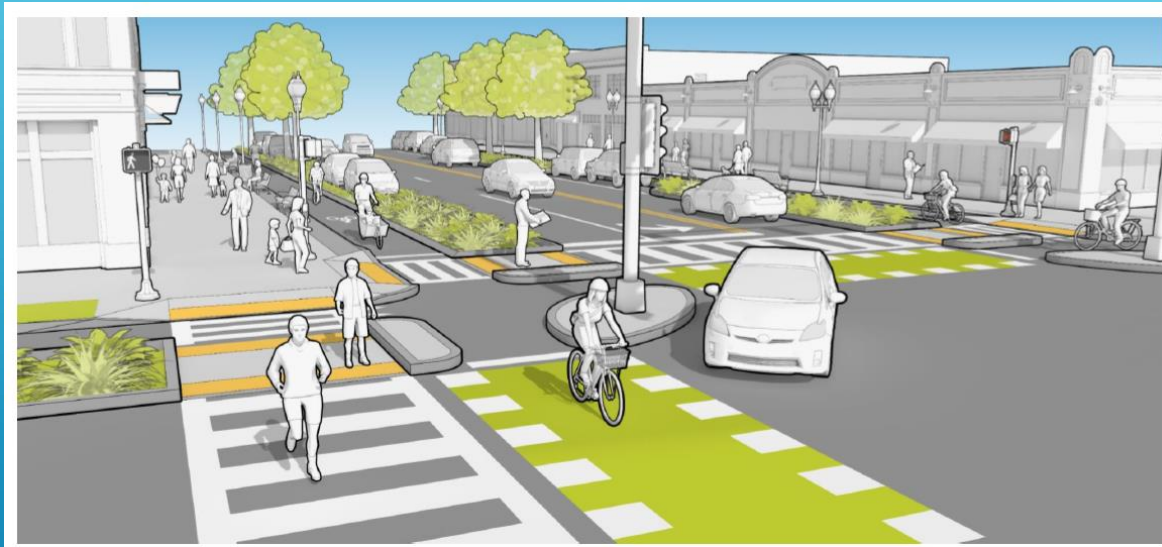
Source: NJDOT

Effective Turning Radius

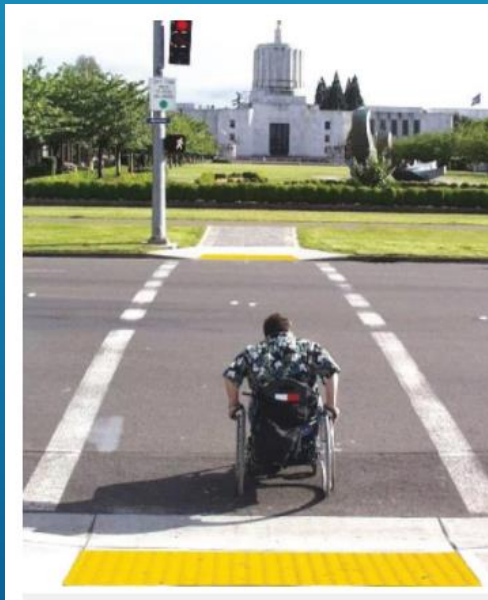


Source: NJDOT

SEPARATE



Source: FHWA



Source: FHWA



Source: Google

SAFETY FOR ALL



Walk



Bike



Drive



Transit



Mobility Device



QUESTIONS?