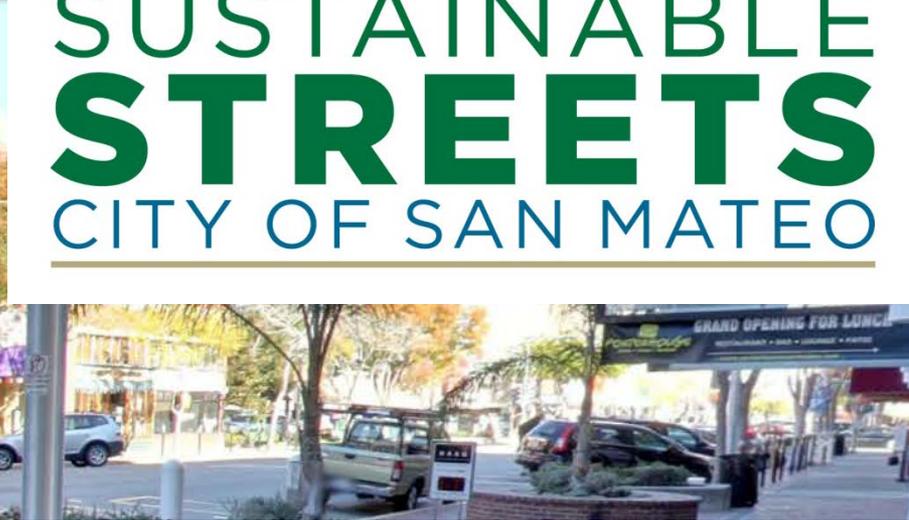




SUSTAINABLE STREETS

CITY OF SAN MATEO



Re-Engineering the Transportation Network through the Sustainable Streets Plan

Get Healthy Bi-Annual Meeting – March 17, 2014



Presentation Outline

- **What is the Sustainable Streets Plan?**
- **Why do we Care?**
- **Tools to Make it Happen**
- **San Mateo Examples**

Sustainable Streets = Complete Streets + Green Streets



Photo: Dan Burden, Walkable and Livable Communities Institute



Source: Downloaded from water.epa.gov on 04.09.13

What are Complete Streets?



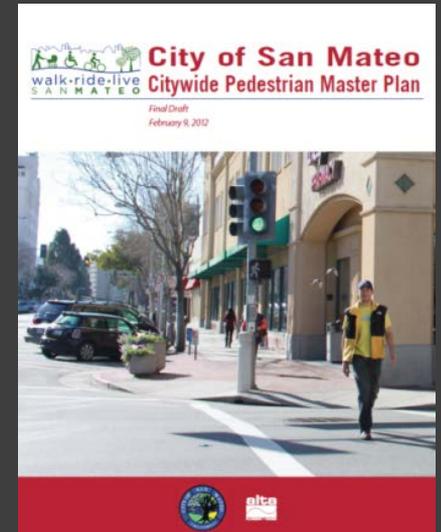
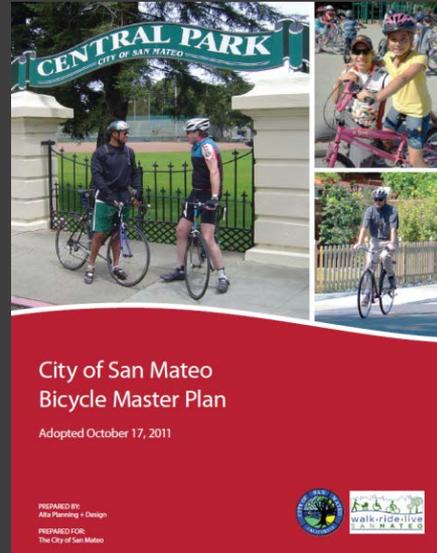
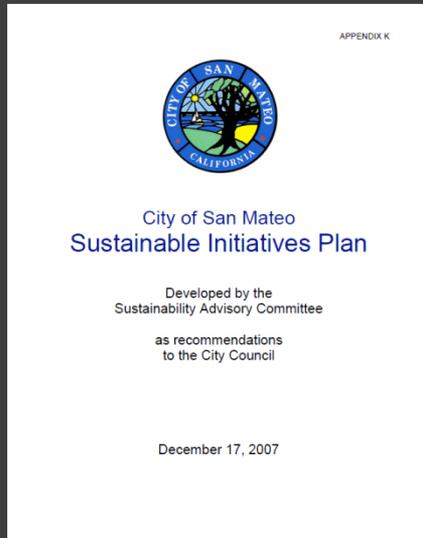
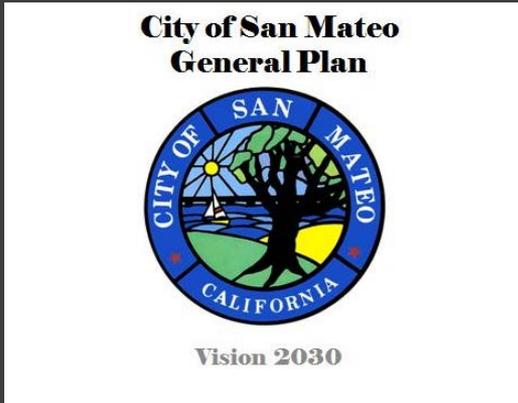
A Complete Street is safe, comfortable & convenient for travel via automobile, foot, bicycle, & transit

What are Green Streets?



A green street incorporates green infrastructure to manage stormwater while making the street more walkable and aesthetically appealing.

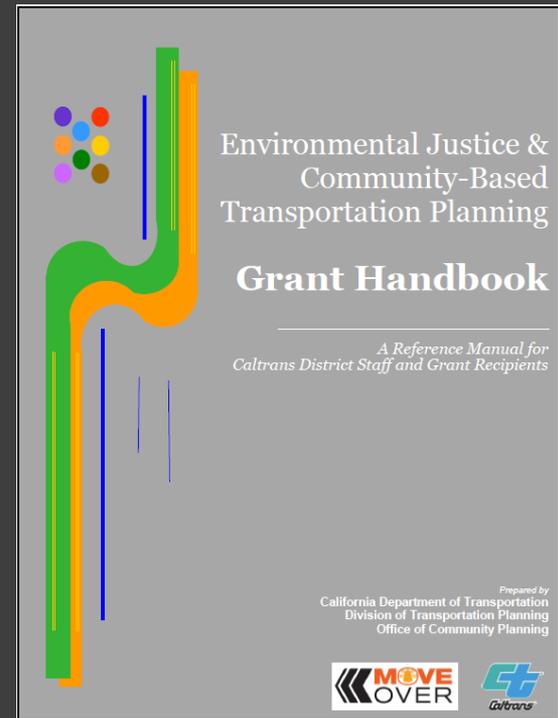
Background



Caltrans Community-Based Transportation Planning Grant

- March 2012 - \$300,000
- Local Match - \$184,000
- Total Project Cost = \$484,000

- February 2013 – February 2015



Level of Service and Multi-Modal Analysis



- Best Practice Analysis
- Evaluate the necessity of Level of Service
- Recommend Alternatives

Transportation Street Prioritization

- Analyze the existing circulation patterns
- Evaluate and Recommend revisions to the City's Street Classification System
- Evaluate City Street widths

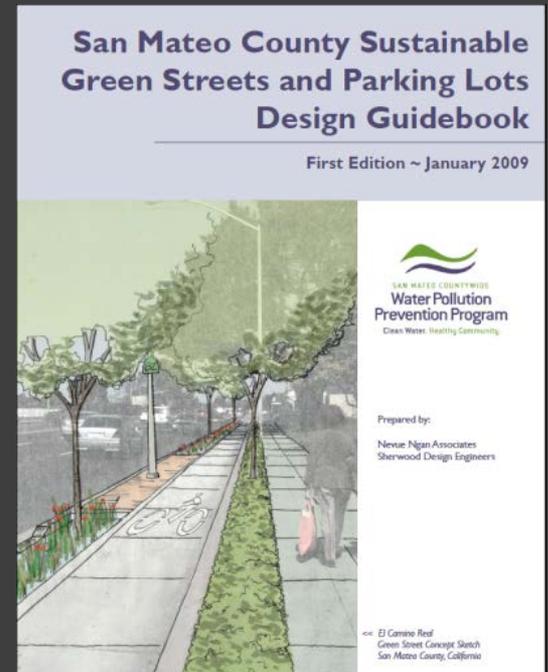
Table BE-3: Street Typologies and Travel Mode Priorities

Facility	Transit	Bicycles	Pedestrians	Autos	Trucks
Transit Street ^{1,2}	○	■	■	■	■
Bicycle Boulevard	□	○	■	■	*
Pedestrian Street ¹	□	■	○	■	□
Connector Street ^{1,2}	■	■	■	■	□
Local Street ¹	□	■	■	■	*
Industrial Street ²	□	■	■	■	○
Boulevard ^{1,2}	○	■	■	○	■
Auto Dominant Road ^{2,3}	■	□	□	○	○

○ = Dominant, ■ = Accommodated, □ = Incidental, * = Prohibited

Green Streets

- Green Streets have enhanced stormwater runoff improvements that capture, slows, filters, and potentially infiltrates stormwater runoff.



Taste and Talk Series

TASTE AND TALK SERIES



The City is hosting a series of speaker forums that continues their commitment to developing streets that are safe for our children and meet the needs of our many commuters. These forums will provide education on various topics as well as give you a chance to provide your input on what improvement you wish to see in the future. **Join us for one or more evenings of great food and great speakers.**

Sex, Neuroscience and Walkable Communities
Presented by: Jeffrey Tumin from Nelson\Nygaard
Thursday, January 9, 2014, 6:00-7:30pm
Hero's City, Draper University
55 East 3rd Ave, San Mateo

The Key to Complete Streets and How to Unlock its Powers
Presented by: Paul Zykofsky from Local Government Commission & Michael Moule from Nelson\Nygaard
Thursday, February 6, 2014, 6:00-7:30pm
Oak Room, Public Library
55 West 3rd Ave, San Mateo

Greening the Street Involves more than New Trees
Presented by: Phil Erickson from Community Design & Architecture
Wednesday, March 5, 2014, 6:00-7:30pm
Hero's City, Draper University
55 East 3rd Ave, San Mateo

Completing the Transportation Network by Seeing the Bigger Picture
Presented by: Jeffrey Tumin from Nelson\Nygaard & Thomas Kronemeyer from Community Design & Architecture
Thursday, April 10, 2014, 6:00-7:00pm
Oak Room, Public Library
55 West 3rd Ave, San Mateo

SUSTAINABLE STREETS
CITY OF SAN MATEO

How are cities across North America making the most efficient use of their limited transportation resources? How are they achieving larger job creation, resilience, public health, equity and happiness goals? National sustainable transportation expert Jeff Tumin offers a big-picture approach to these issues that will help the audience better understand the broader movement toward sustainable communities.

Complete Streets are streets for everyone. They are designed and operated to enable safe access for all users, allowing people of all ages and abilities to move along and across the street. National Complete Streets workshop facilitators Michael Moule and Paul Zykofsky will tell us what this policy is all about and how it can transform the way we think about our city's streets.

Green Streets manage stormwater runoff as a resource rather than a waste through permeable materials, landscaped planters and swales. They also have great social value and are a great complement to Complete Streets. Come join nationally renowned urban designer Phil Erickson to hear the latest about this concept and how it applies to San Mateo.

As communities turn from sprawl towards retrofitting existing districts and corridors, middle between street and land use types often compromise livability, sustainability and economic development. Learn through this interactive discussion facilitated by Jeff Tumin and urban designer Thomas Kronemeyer how some cities have responded by planning beyond the conventional street classification system and are implementing innovative streets with flexible uses.

Upcoming Forums:

- The Solid Link between Transportation and Health
- Public Spaces in Complete Streets
- The Equally Solid Link between Transportation and Land Use
- Safer Routes to Schools and Transit
- Kick-Starting Change with Innovative Bike and Pedestrian Solutions
- The Evolution of Streets in San Mateo
- The Dark Truth and the Bright Future of Parking Policies

To RSVP for the series and for more information about the Sustainable Streets Plan, please visit: www.sustainablestreetsanmateo.com

This project is funded by Caltrans' Community-Based Transportation Planning (CBTP) Grant Program and local matching funds.

Preguntas? Para más información en Español, haga favor de llamar al 650.522.7200.
有任何問題嗎? 如需索取更進一步的中文資訊, 請致電 650.522.7200.
In compliance with the Americans with Disabilities Act, those requiring accommodation for this meeting should notify Public Works 24 hours prior to the meeting at 650.522.7200.

For general information, please contact:
Ken Ota, Project Manager
650.522.7210
koting@cityofsanmateo.org



- 10-12 open forums in the style of a “Taste and Talk” series
- Series topics to include, but are not limited to, pedestrians, bicyclists, transit, trucks, level of service, street classification, green streets, ADA compliance and emergency services.

Project Schedule

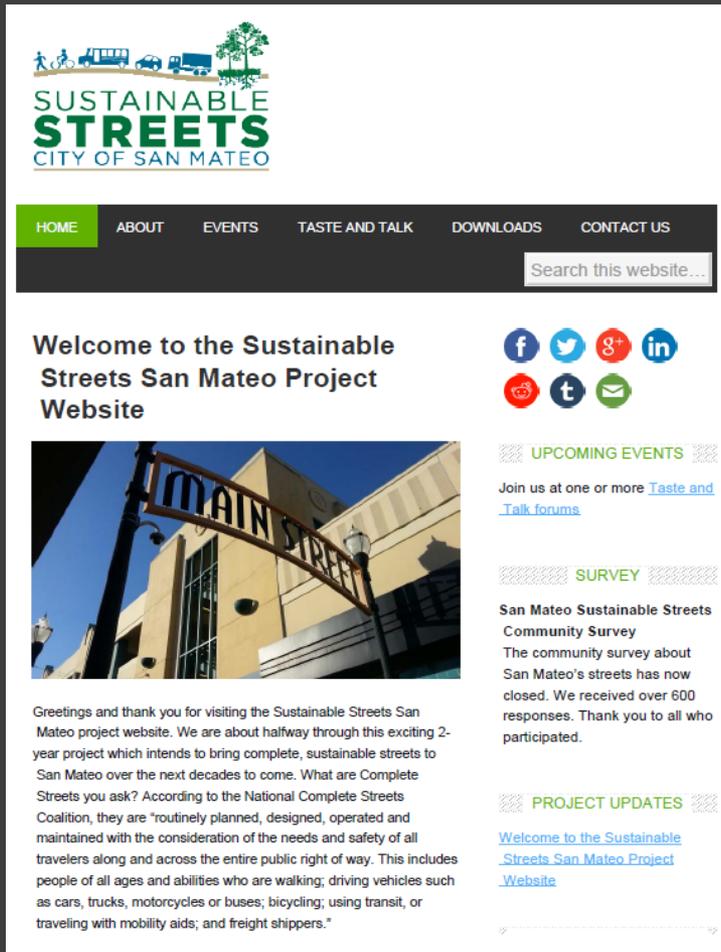
- February 2013 – City Council
- February 2013 – February 2015 – Sustainable Streets Plan Development
- March 2015 - TBD – CEQA and/or General Plan Update?

Project Title		Sustainable Streets Plan		Grantee		City of San Mateo		Deliverable						
		FY 2012/13	Fiscal Year 2013/14	FY 2014/15										
Task Number		F	M	A	M	J	J	A	S	O	N	D	J	F
1	Project Initiation													
1.1	Grant Kick-Off Meeting													Meeting Minutes
1.2	Project Kick-Off Meeting													Meeting Minutes
1.3	Finalize Scope of Work, Project Schedule, and Coordination													Final Scope of Work, Project Schedule, and Coordination Schedule
1.4	City Council - Authorization of Professional Service Contract and Approval of TAC and CAC members													Procurement Procedures consistent with 49 CFR, Part 18.35 and Local Assistance Procedures Manual, Chapter 10 and Signed Contract
2	Pre-Plan Review and Analysis													
2.1	Best Practices Review													Memo on Best Practices
2.2	Review of City Code, Policies, Standard Drawings, Design Guidelines and City Signage													Memo on Recommended Revisions
2.3	Complete Streets Benefits Analysis - Safety, Economics, Public Health, and Sustainability													Memo on Benefits Analysis
2.4	Review and Analysis of the City's Street Classification System													Memo on Existing Capacity and Usage
2.5	Review and Analysis of the City's Street Widths													Memo on Optimal Street Widths
2.6	Level of Service and Multi-Modal Analysis with Animation													Intersection Animation
3	On-going Public Participation													
3.1	Community Workshops (4)													Workshop Notes
3.2	Stakeholder Meetings													Meeting Minutes
3.3	Taste and Talk Series (10-12)													Series Notes
3.4	Community Survey													Survey and Results
3.5	Project Website & Social Media													Project Website and Social Media
3.6	Sustainable Streets Public Education Campaign with Outreach Materials													Education and Outreach Materials
3.7	Walking Tour of Challenging Intersections													Tour Notes
4	Sustainable Streets Plan													
4.1	Vision, Goals and Objectives													Vision, Goals and Objectives
4.2	Existing Conditions and Policies													Review of Existing Conditions
4.3	Needs Analysis													Needs Analysis
4.4	Recommendations													All Recommendations, including but not limited to, Street Typology/Prioritization, Focus Areas/Zones, Green Streets Network, Citywide Transportation Demand Management Program
4.5	Streetscape Concepts													Streetscape Concept Illustrations
4.6	Design Guidelines													Design Guidelines
4.7	Implementation Plan													Implementation Plan, including but not limited to, a Project and Program Lists, Performance Measures, Incorporation of Elements into the Private Development Process, and Project Sheets
4.8	Funding													List and Description of Potential Funding Sources for Design, Engineering, Construction and Maintenance
5	Final Plan Preparation and Hearings													
5.1	Draft Plan and Response to Staff Review													Draft Plan
5.2	Draft Plan Presentations (3 presentations to City review bodies)													Presentations
5.3	Final Draft Plan and Response to Comments													Final Draft Plan
5.4	Council Presentation/Adoption													City Council Adoption Resolution
5.5	Final Plan													Final Sustainable Streets Plan
5.6	Reproduction													Copies of Final Plan

2-Year Caltrans Grant Project
(February 2013 – February 2015)

Department of Public Works
Stewards of the Infrastructure and Environment

Project Website



The screenshot shows the homepage of the Sustainable Streets San Mateo Project website. At the top is the logo for Sustainable Streets City of San Mateo, featuring icons for a person walking, a bicycle, a bus, a car, and a tree. Below the logo is a navigation menu with links for HOME, ABOUT, EVENTS, TASTE AND TALK, DOWNLOADS, and CONTACT US. A search bar is located to the right of the navigation menu. The main content area includes a welcome message, social media icons for Facebook, Twitter, Google+, LinkedIn, YouTube, Tumblr, and Email. There are three sections: 'UPCOMING EVENTS' with a link to 'Taste and Talk forums', 'SURVEY' with a link to 'San Mateo Sustainable Streets Community Survey', and 'PROJECT UPDATES' with a link to 'Welcome to the Sustainable Streets San Mateo Project Website'. A photograph of a street sign for 'MAIN STREET' is also visible.

SUSTAINABLE STREETS
CITY OF SAN MATEO

HOME ABOUT EVENTS TASTE AND TALK DOWNLOADS CONTACT US

Search this website...

Welcome to the Sustainable Streets San Mateo Project Website

[f](#) [t](#) [g+](#) [in](#)
[yt](#) [t](#) [e](#)

UPCOMING EVENTS

Join us at one or more [Taste and Talk forums](#)

SURVEY

San Mateo Sustainable Streets Community Survey
The community survey about San Mateo's streets has now closed. We received over 600 responses. Thank you to all who participated.

PROJECT UPDATES

[Welcome to the Sustainable Streets San Mateo Project Website](#)

Greetings and thank you for visiting the Sustainable Streets San Mateo project website. We are about halfway through this exciting 2-year project which intends to bring complete, sustainable streets to San Mateo over the next decades to come. What are Complete Streets you ask? According to the National Complete Streets Coalition, they are "routinely planned, designed, operated and maintained with the consideration of the needs and safety of all travelers along and across the entire public right of way. This includes people of all ages and abilities who are walking; driving vehicles such as cars, trucks, motorcycles or buses; bicycling; using transit, or traveling with mobility aids; and freight shippers."

• www.sustainablestreetsanmateo.com

Everyone wins with Complete Streets

Complete Streets policies provide for all users



US Access Board

Benefits: older Americans

- 21% over 65 do not drive
- Over 50% of non-drivers stay at home on a given day because they lack travel options
- 54% of older Americans living in inhospitable neighborhoods would walk and ride more if things improved



Benefits: health

- Now Americans move without moving
- 60% are at risk for diseases associated with inactivity:
 - Obesity
 - Diabetes
 - High blood pressure
 - Other chronic diseases

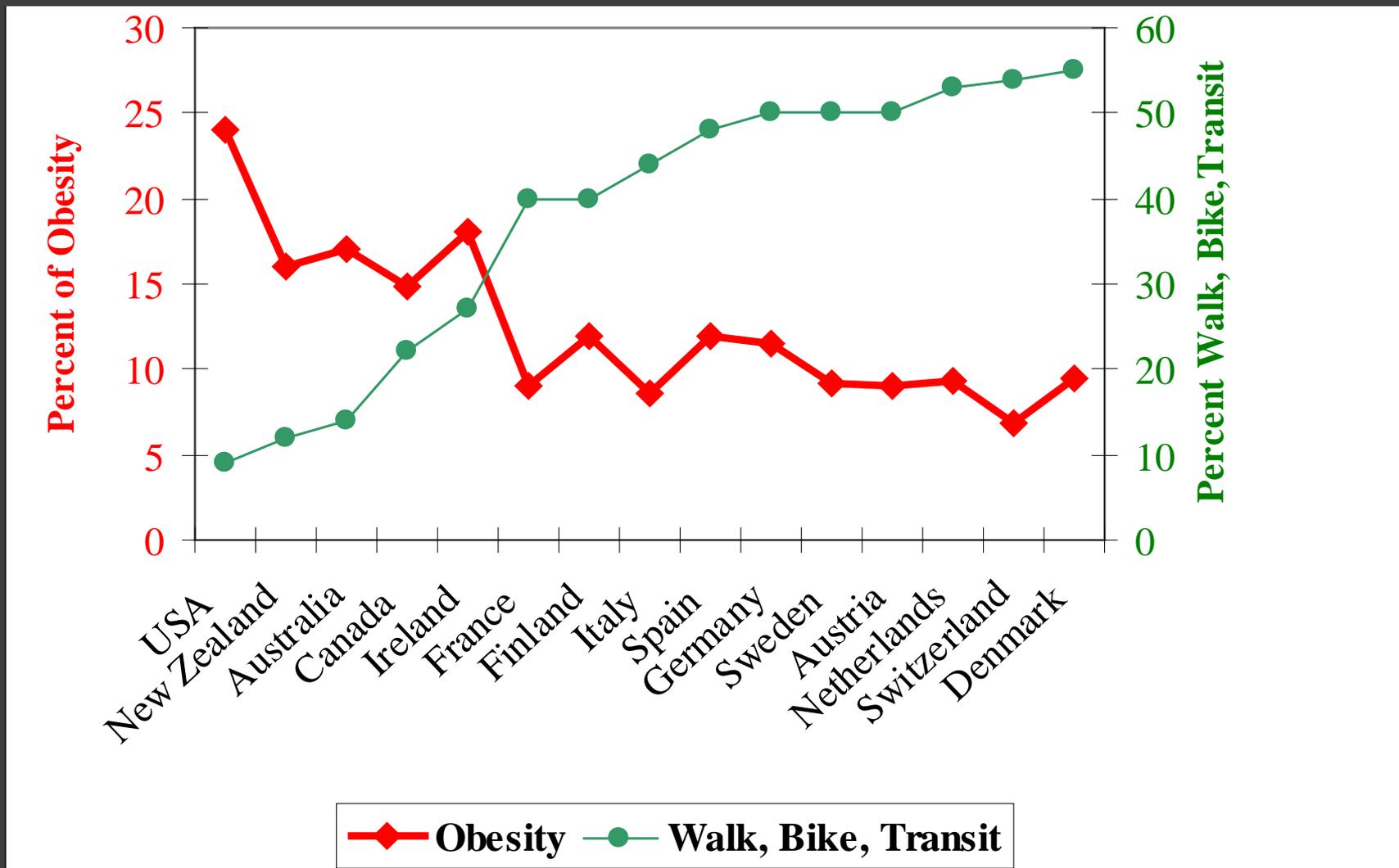


Benefits: physical activity

- Residents more likely to walk in a neighborhood with sidewalks
- Cities with more bike lanes have more bicycling
- 1/3 of regular transit users meet min. daily physical activity requirement during their commute



Benefits: physical activity



Source: Pucher, "Walking and Cycling: Path to Improved Public Health," Fit City Conference, NYC, June 2009

Benefits: safety

- In 2008:
- 5,000+ pedestrians and bicyclists were killed
- 120,000+ were injured



50% of pedestrians killed in 2007 & 2008 died on arterial roadways.

Benefits: Safety

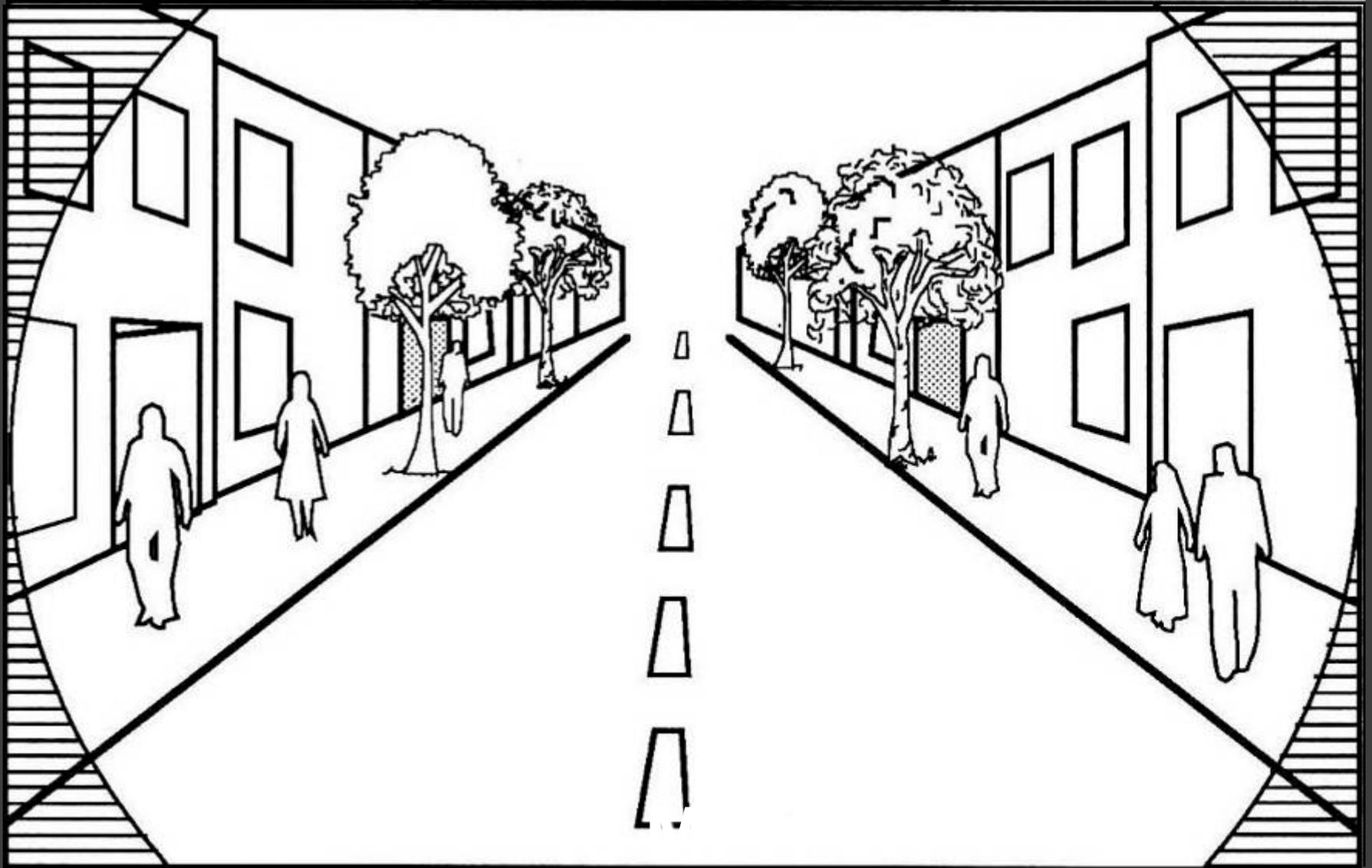
- There were 32,885 traffic fatalities in the U.S. in 2010. Of these fatalities:

23,303 were people in cars

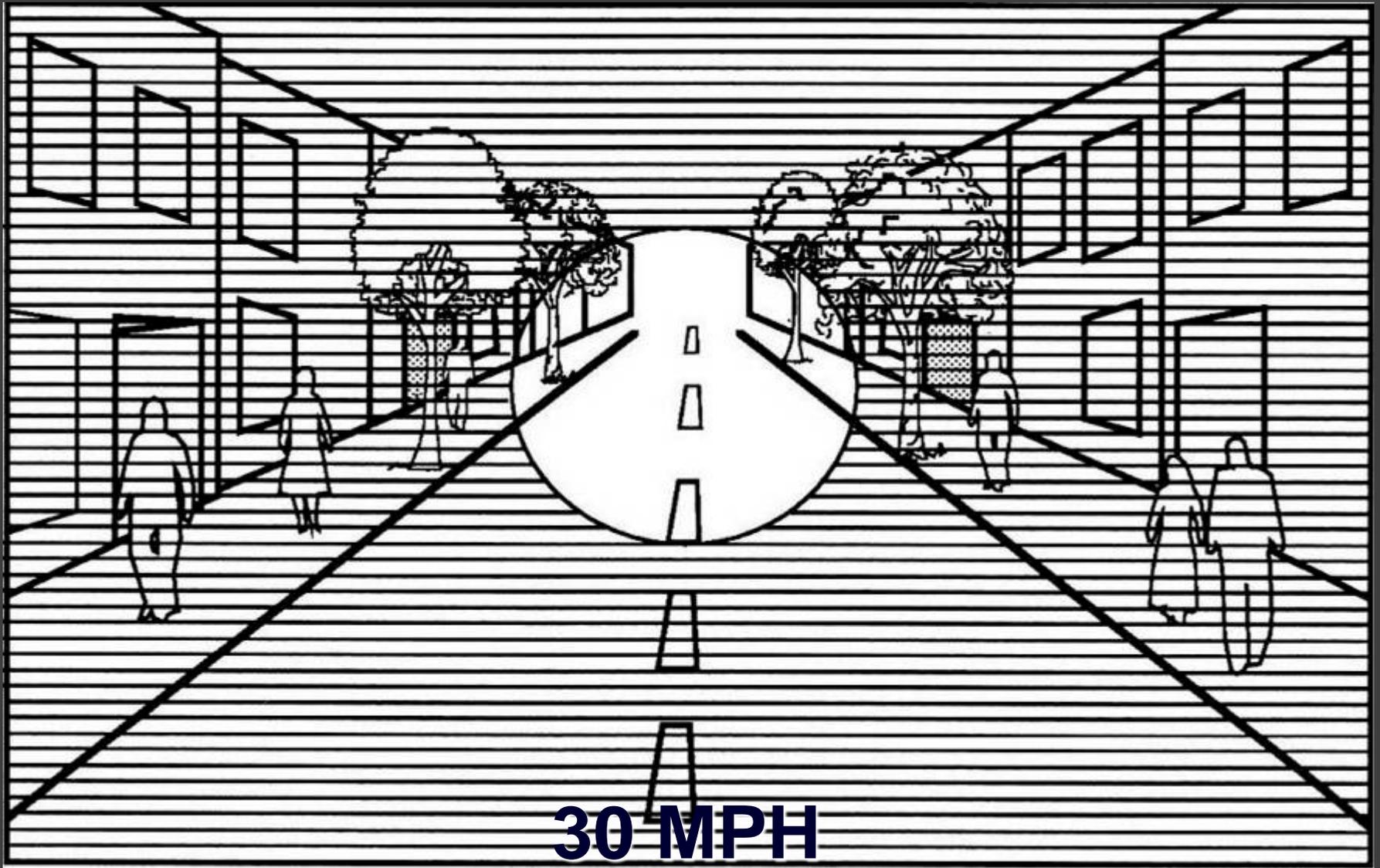
4,280 were people walking

618 were people on bicycles

As speed increases, driver focuses less on surroundings

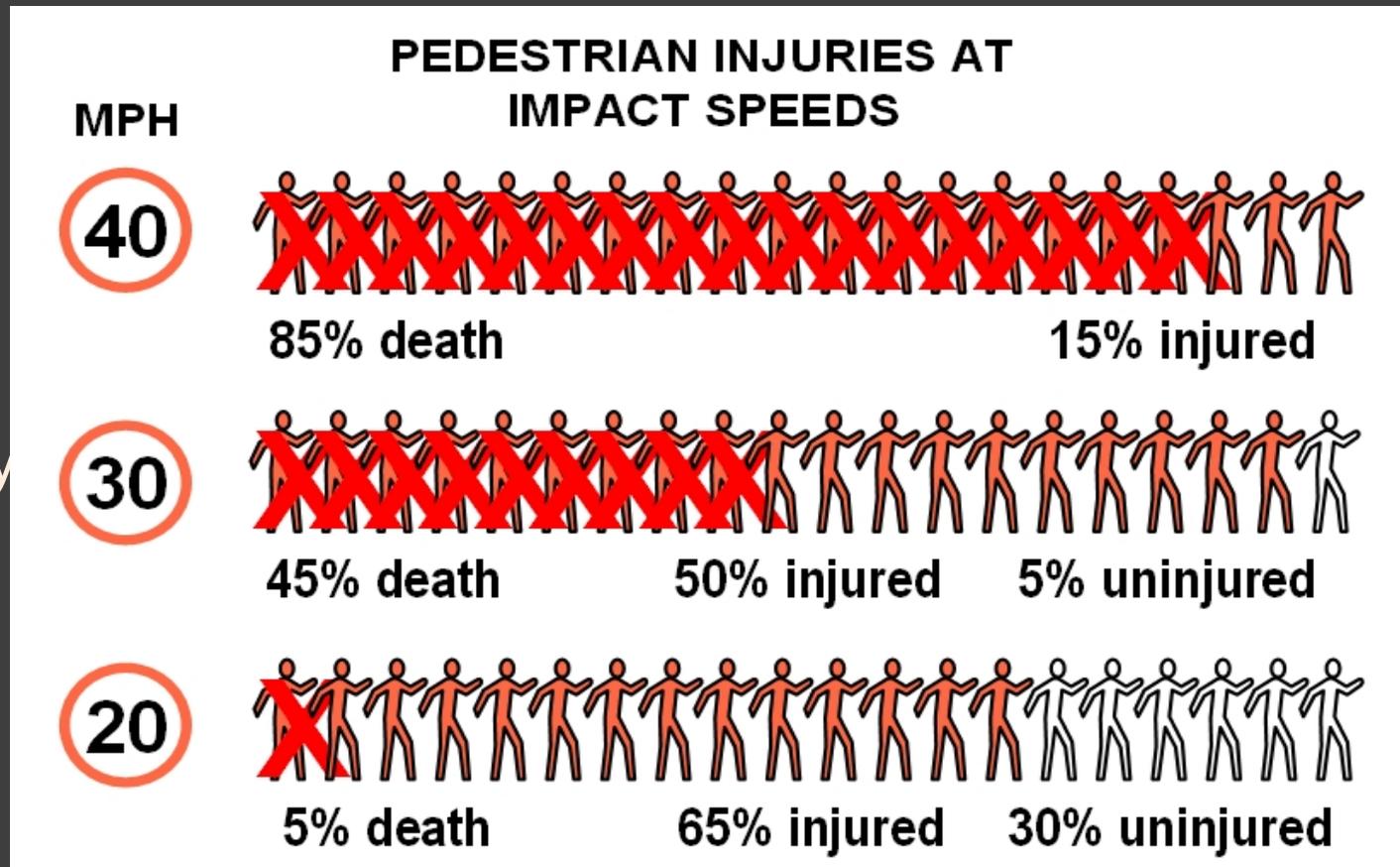


As speed increases, driver focuses less on surroundings



Speed Affects Crash Severity

High speeds lead to greater chance of serious injury & death



Curbs and sidewalks slow traffic more than speed sign



Benefits: Safety

- Pedestrian crashes
 - ↓ **88%** with sidewalks
 - ↓ **69%** with hybrid beacon
 - ↓ **40%** with medians
 - ↓ **29%** with road conversions



Benefits: people with disabilities

- Improved mobility for people with disabilities and reduced need for expensive paratransit service



Benefits: the environment

- Fewer emissions
- Less noise pollution
- Less wear & tear on our roads
- Less need to widen roads



Benefits: Less need to widen roads

Trips in metro areas:

- 50% - less than 3 miles
- 28% - less than 1 mile:
 - 65% of trips under 1 mile are now taken by car



Benefits: the economy & your wallet

Multi-modal streets:

- Increase home values
- Revitalize retail
- People can leave their car at home



Toolbox for Sustainable Streets



Sidewalk Zones



Frontage Zone

Through zone

Furniture Zone

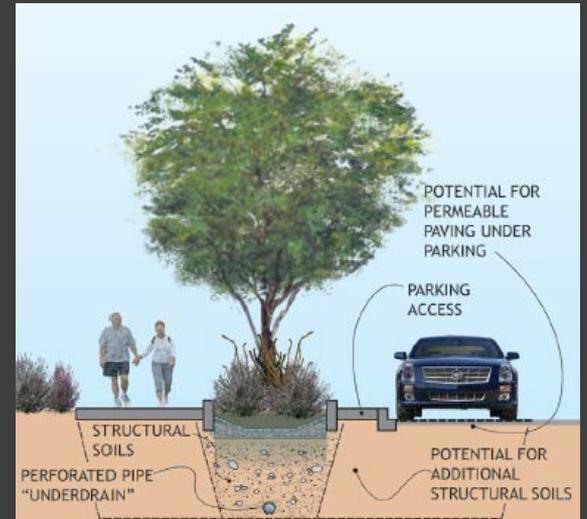
Curb Zone

Sidewalks need good buffers

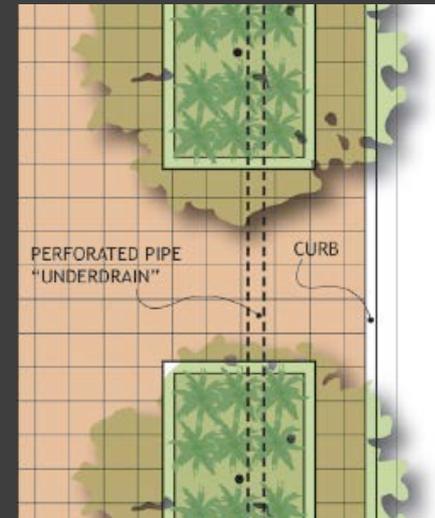




Source: blog.g8-life.com



Source: Grant Road District Zoning, Tucson, AZ

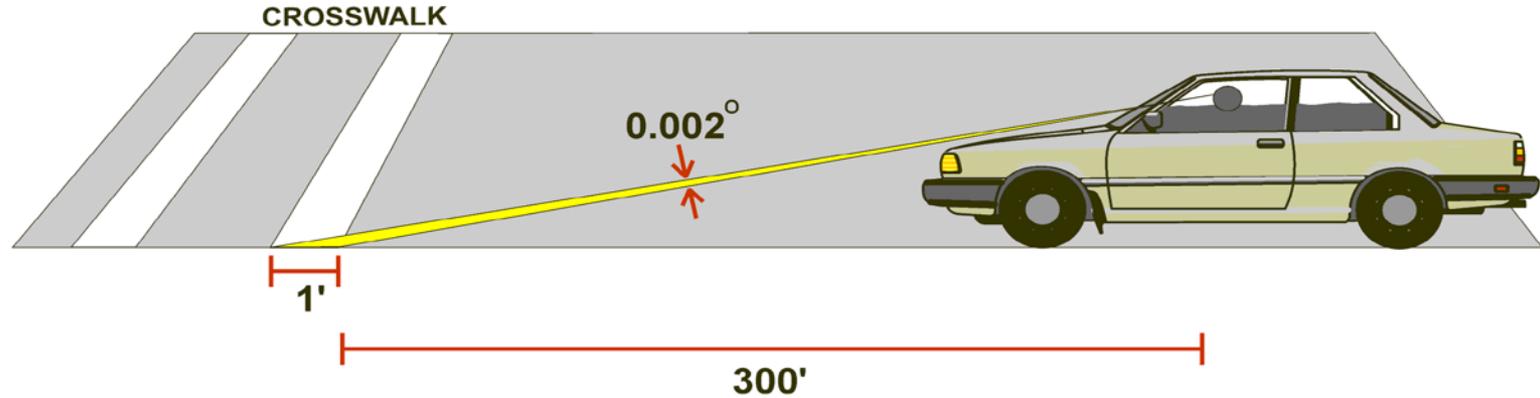


Source: Grant Road District Zoning, Tucson, AZ

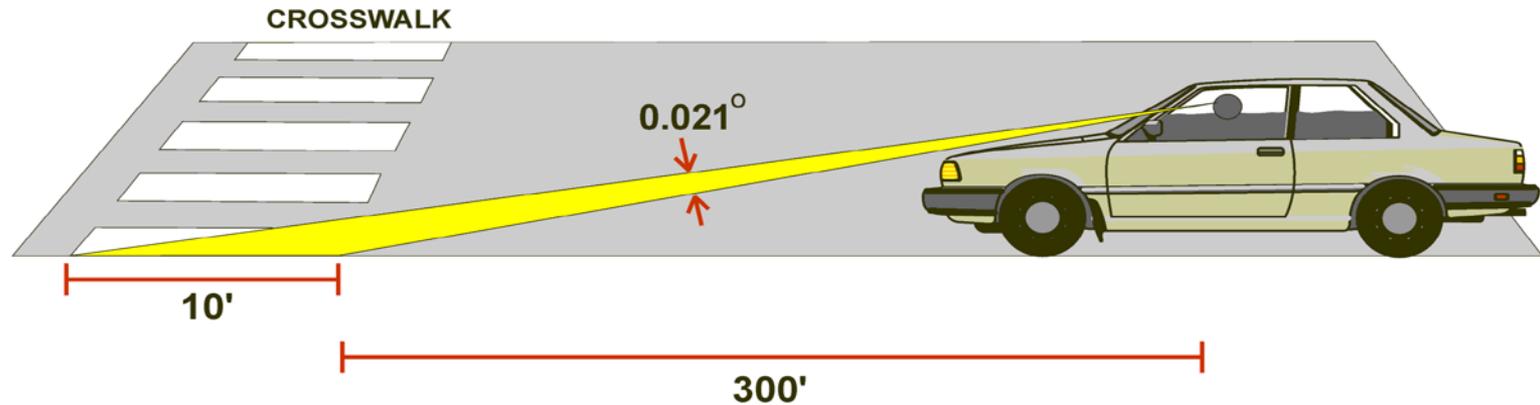
Green Streets Elements in Sidewalks – Linked Tree Wells

Crosswalk Visibility

LATERAL 12" STRIPE



LONGITUDINAL MARKING



Longitudinal markings are more visible to driver from afar



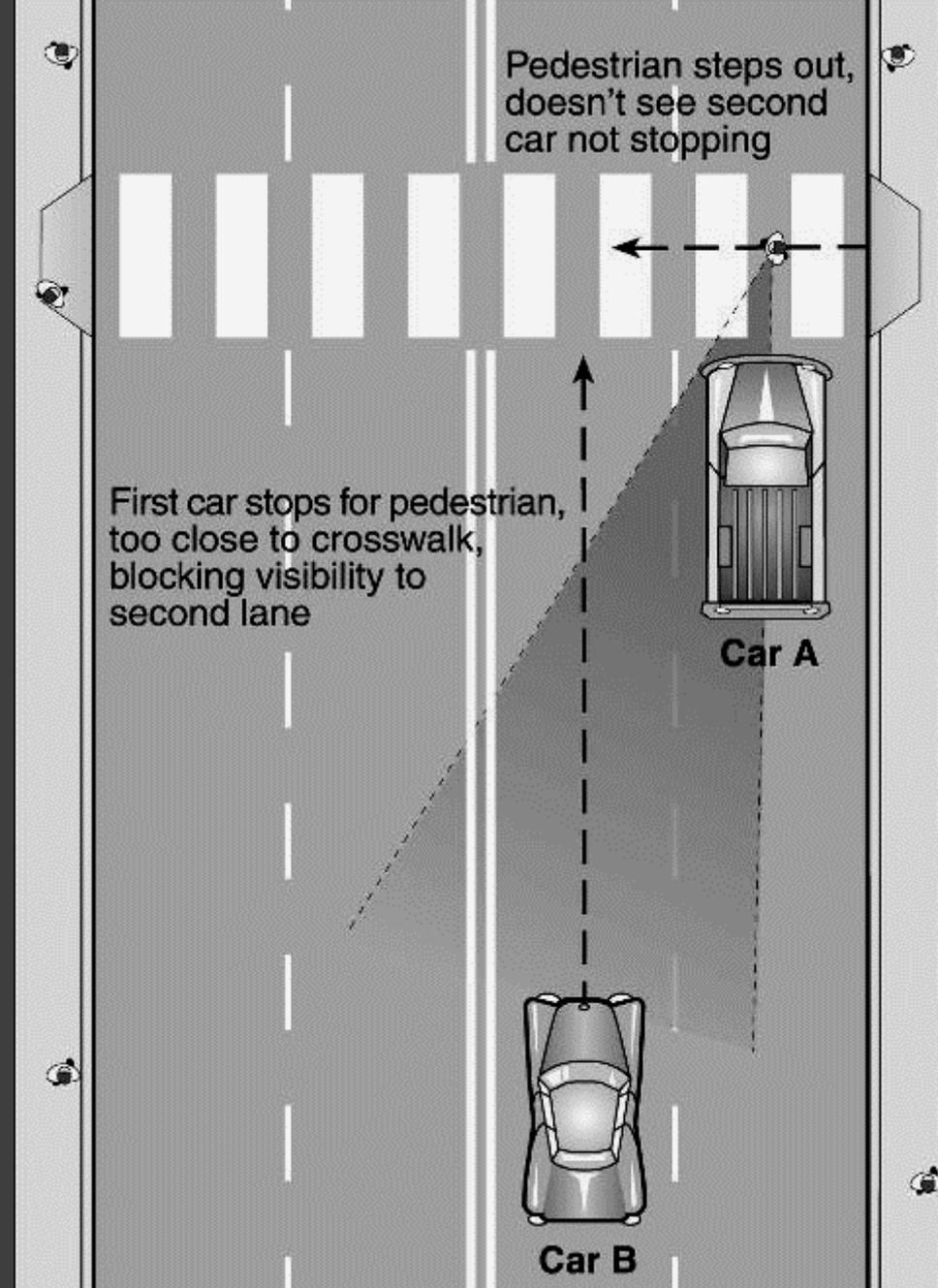
SOLANO COUNTY HALL OF JUSTICE

HALL OF JUSTICE
NORTH WING 4
SOUTH WING A
COURT REPORTERS
PUBLIC DEFENDER
SOLANO COUNTY

Multiple Threat Crash Problem

1st car stops to let pedestrian cross, blocking sight lines

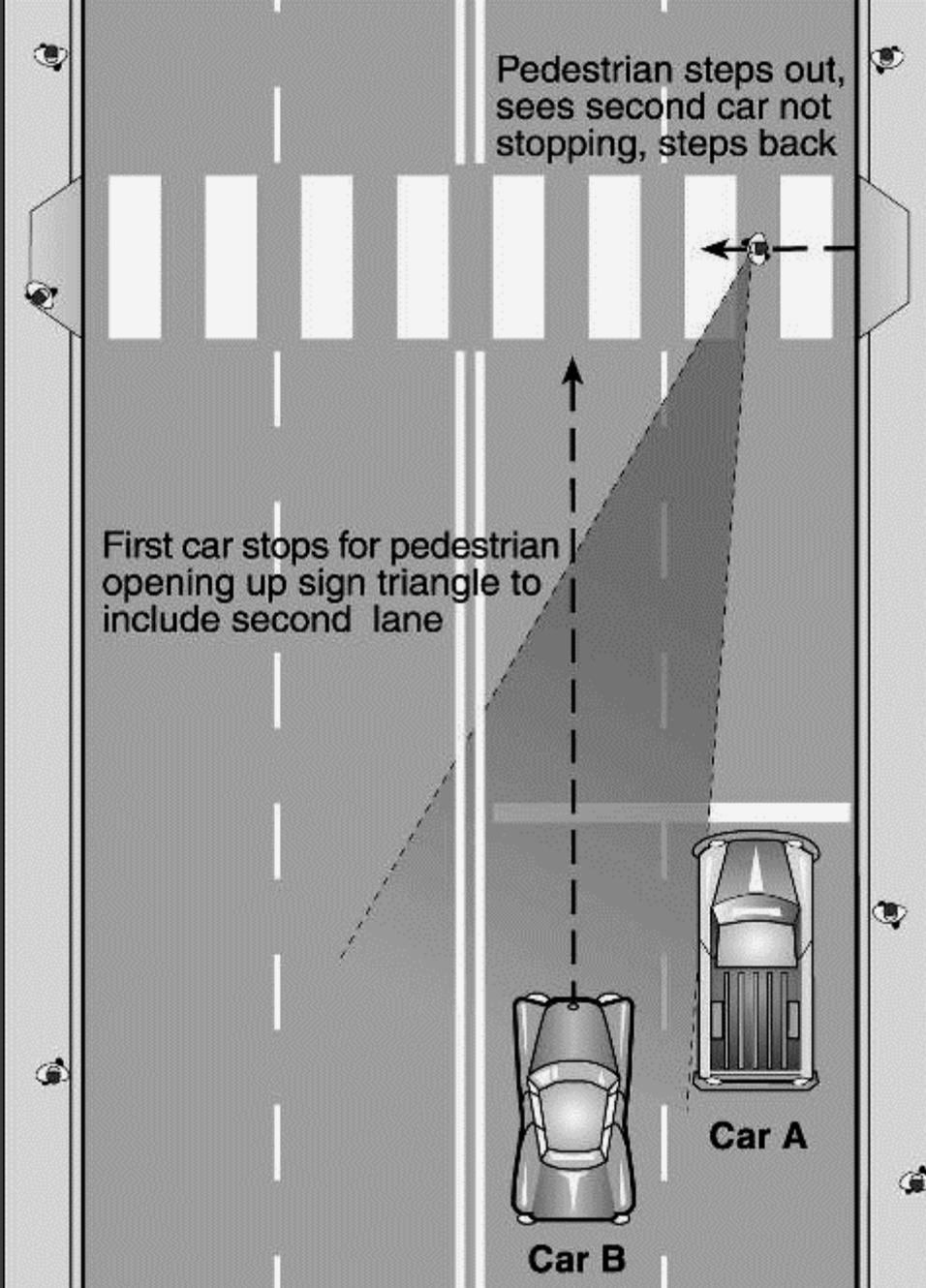
2nd driver doesn't stop, hits pedestrian at high speed



Multiple Threat Crash Solution

1st car stops further back,
opening up sight lines

2nd driver can see pedestrian





Advance yield line (shark's teeth) and sign

Rectangular Rapid Flash LED Beacon

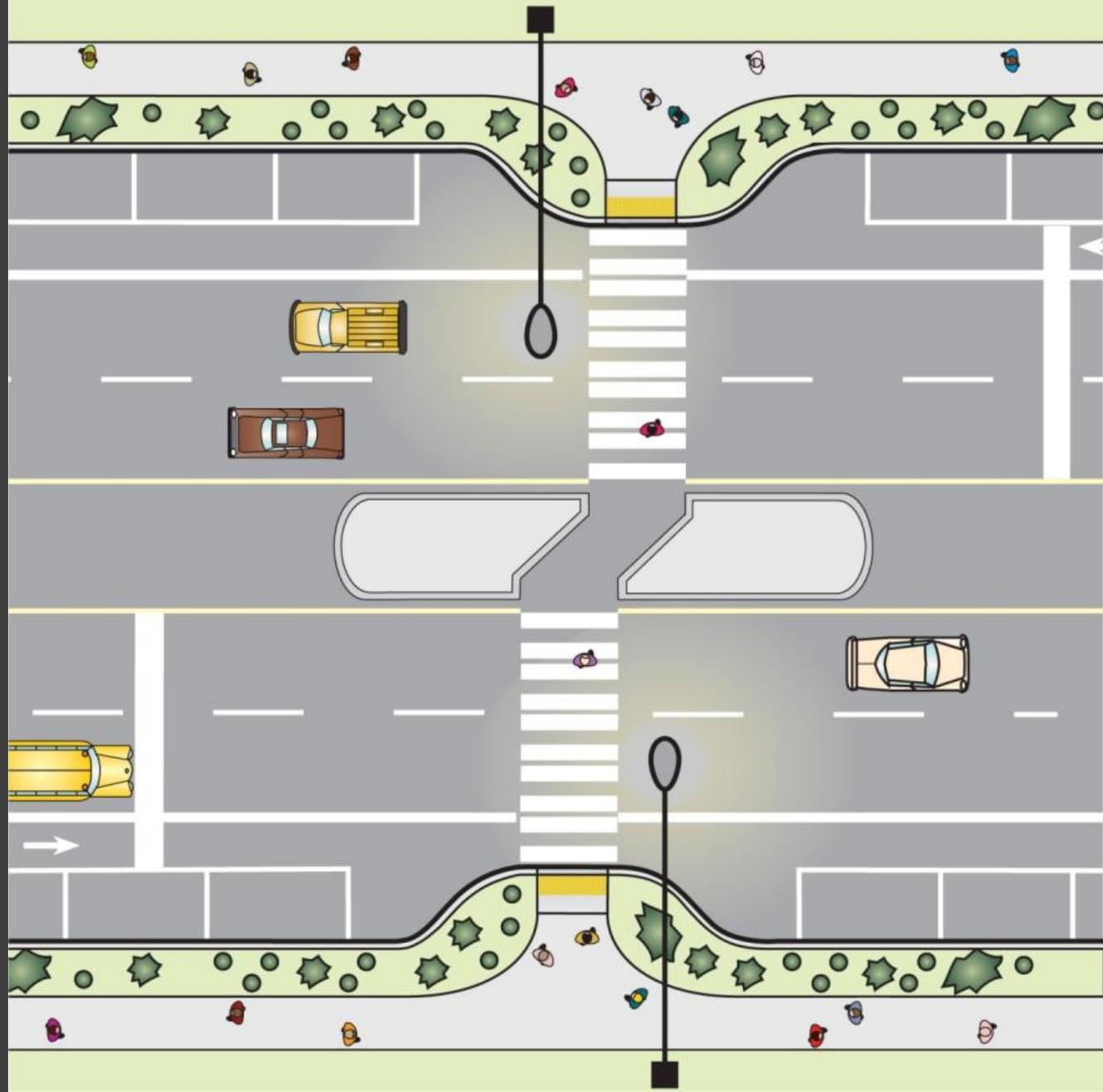
- Studies indicate motorist yield rates increased from about 20% to 80%
- Beacon is yellow, rectangular, and has a rapid “wig-wag” flash
- Beacon located between the warning sign and the arrow plaque
- Must be pedestrian activated (pushbutton or passive)

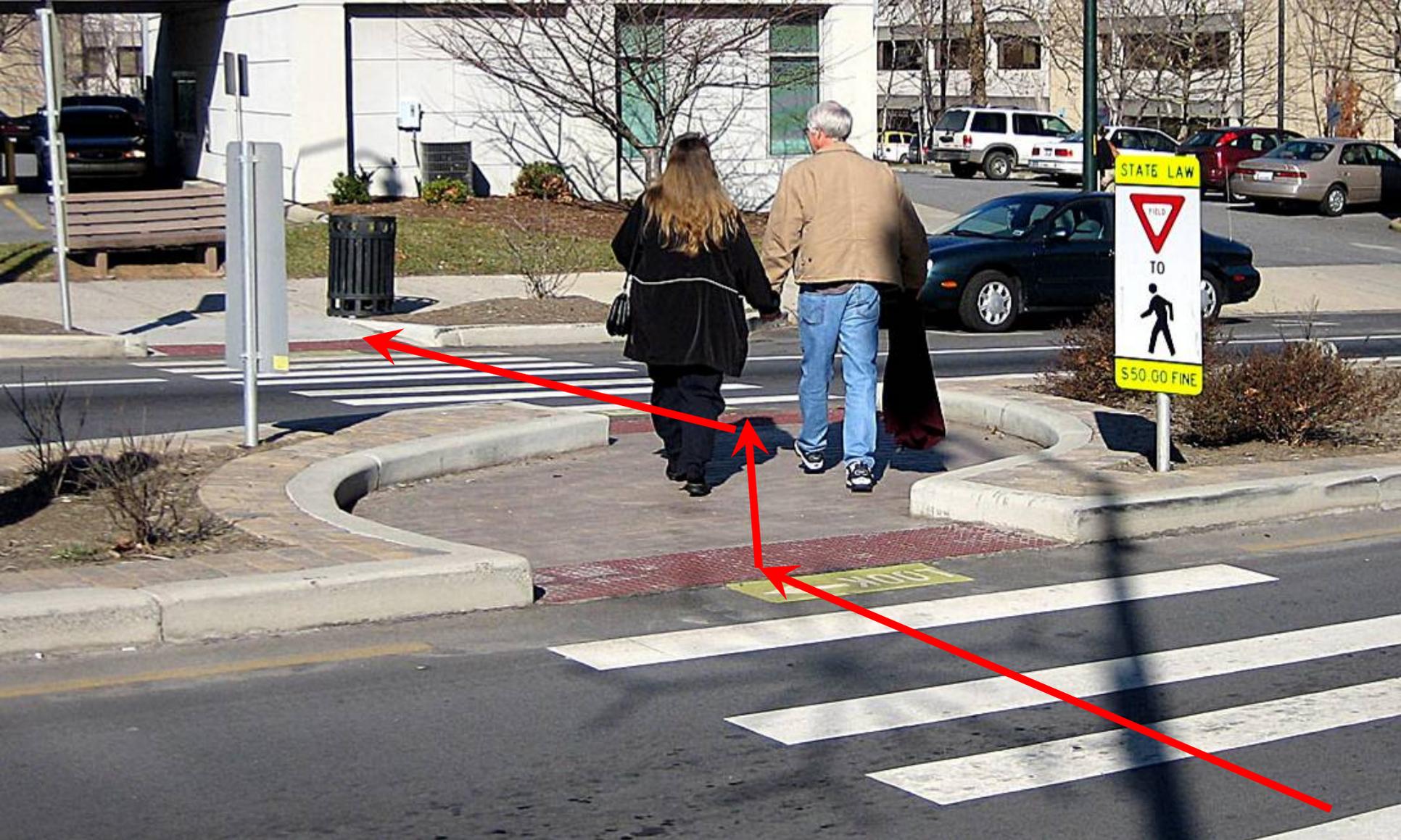




Beacons required on the both right side and on the left side or in a median if practical

Crossing island at marked crosswalk —
Breaks long complex crossing into two simpler crossings

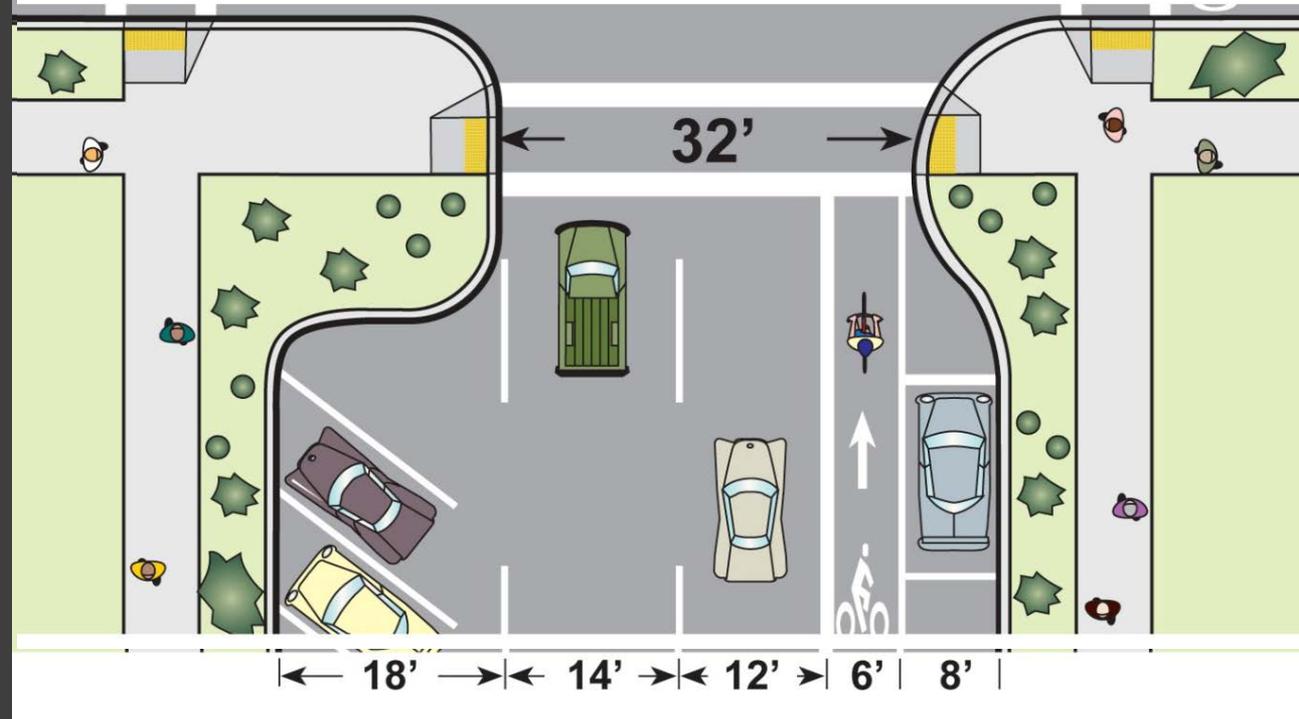




Option: Angle cut-through so pedestrians face oncoming traffic before 2nd crossing

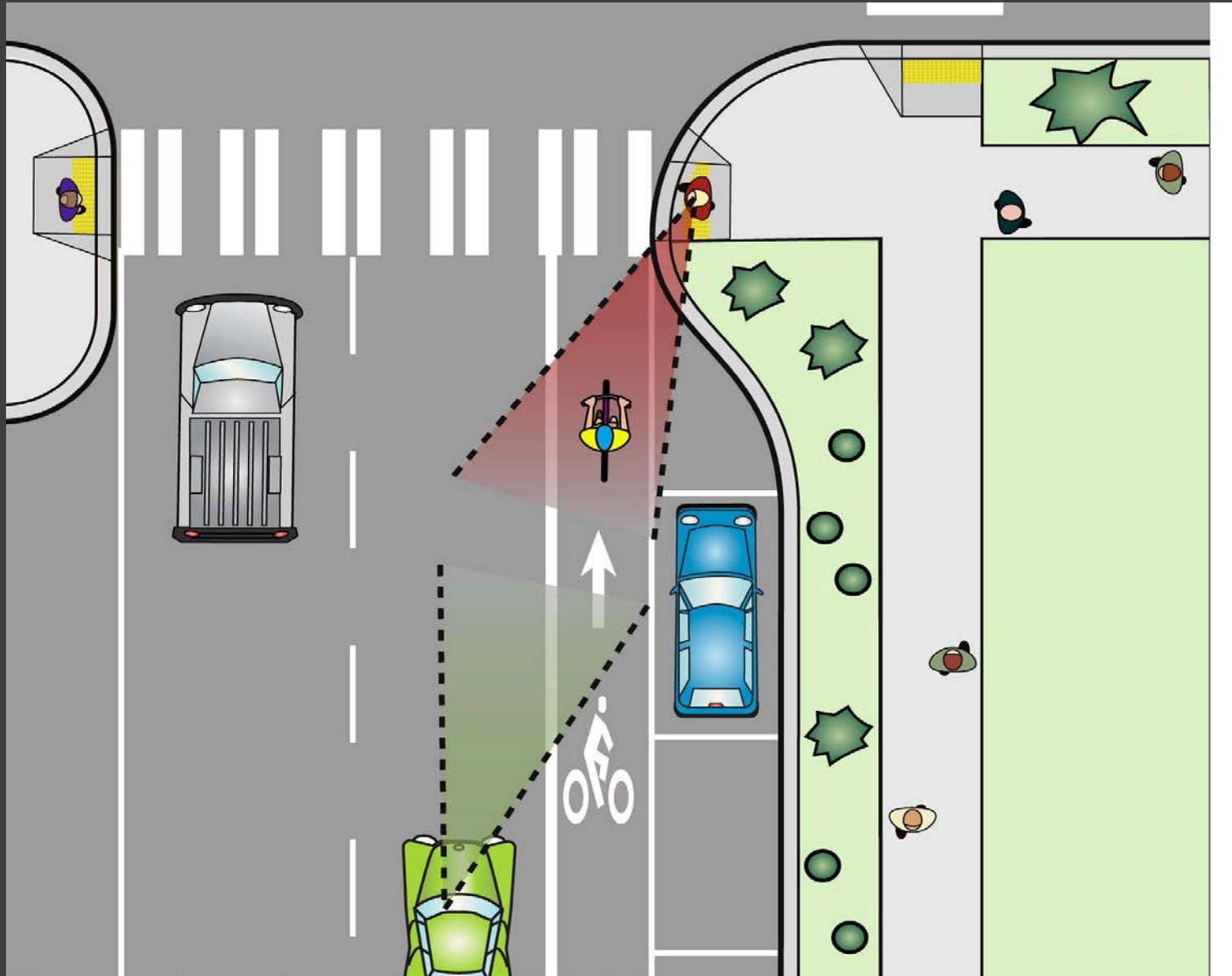
Curb extensions:

Don't just reduce crossing distance



- Other advantages
- Better visibility (both ways)
- Traffic calming
- Room for street furniture

Improved visibility





Pedestrian waits in the street to cross



Curb extension places pedestrian where he can see and be seen



Source: www.blogspot.com on 3.7.2012



Source: www.myballard.org



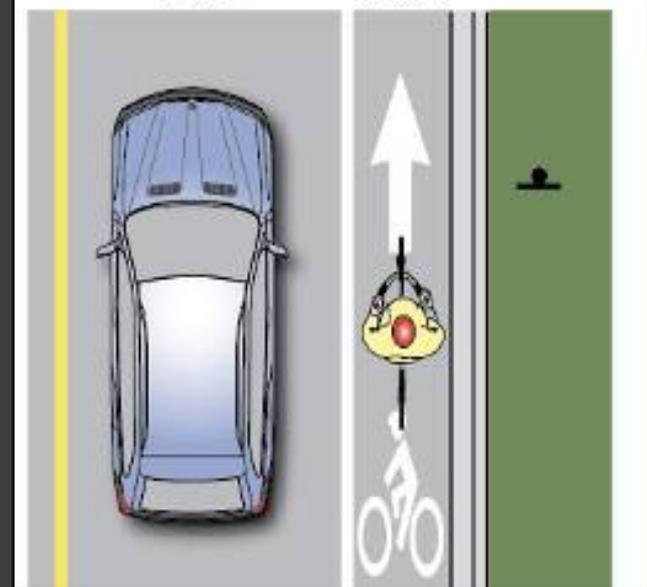
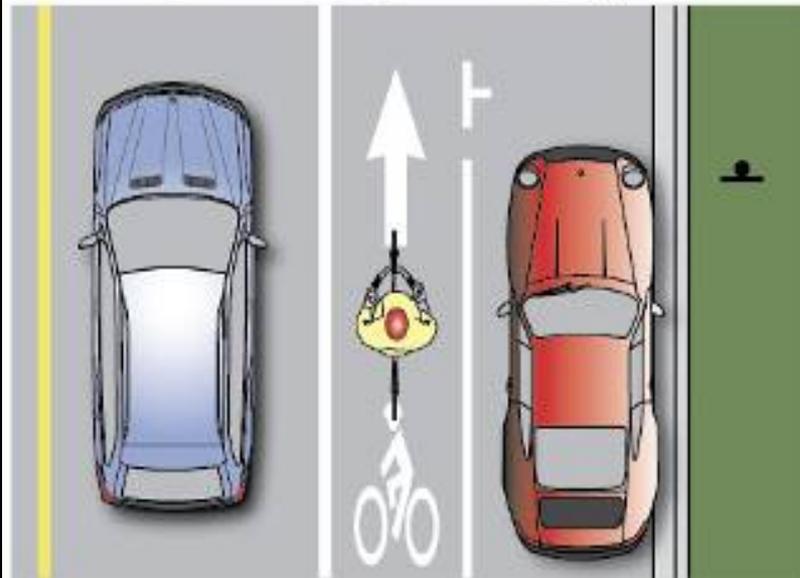
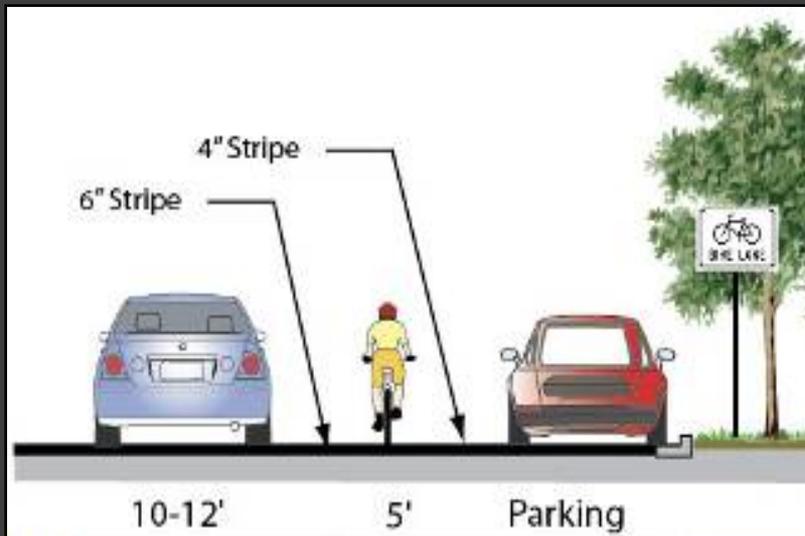
Source: www.swithboard.nrdc.org on 12.30.2012



Source: www.extension.org

Green Streets Elements in Curb Extensions

Bicycle Lanes







Buffered Bicycle Lane example



Example of colorized bicycle lane



Shared Lane example



Cycle tracks



Bicycle Corral



How to Make Room – Narrow Travel Lanes

- 10' and 11' lanes are just as safe as 12' lanes on urban arterials with speeds 45 MPH and less
- National design manuals allow narrower lanes
 - 9' on local residential streets
 - 10' on lower speed arterials & collectors
 - 11' for streets with high truck volumes



“Relationship of Lane Width to Safety for Urban and Suburban Arterials”: Study by Potts, Harwood, and Richard

How to Make Room: Road Diets

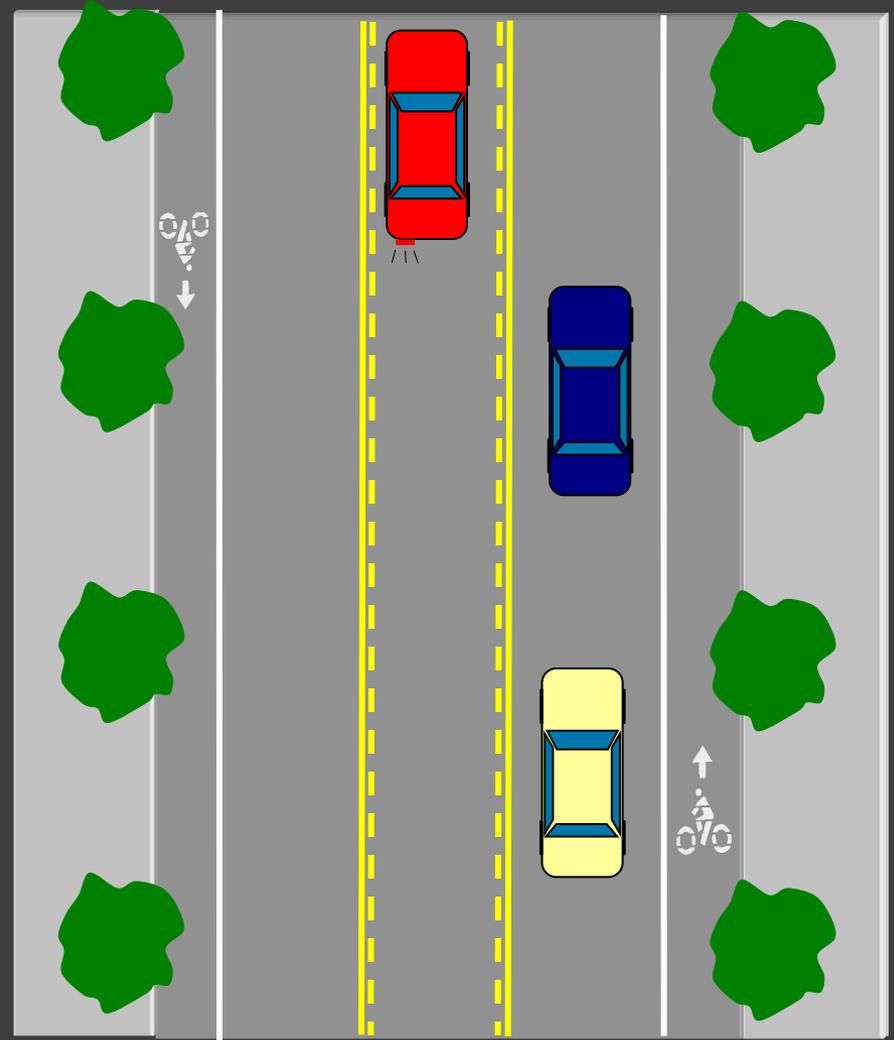
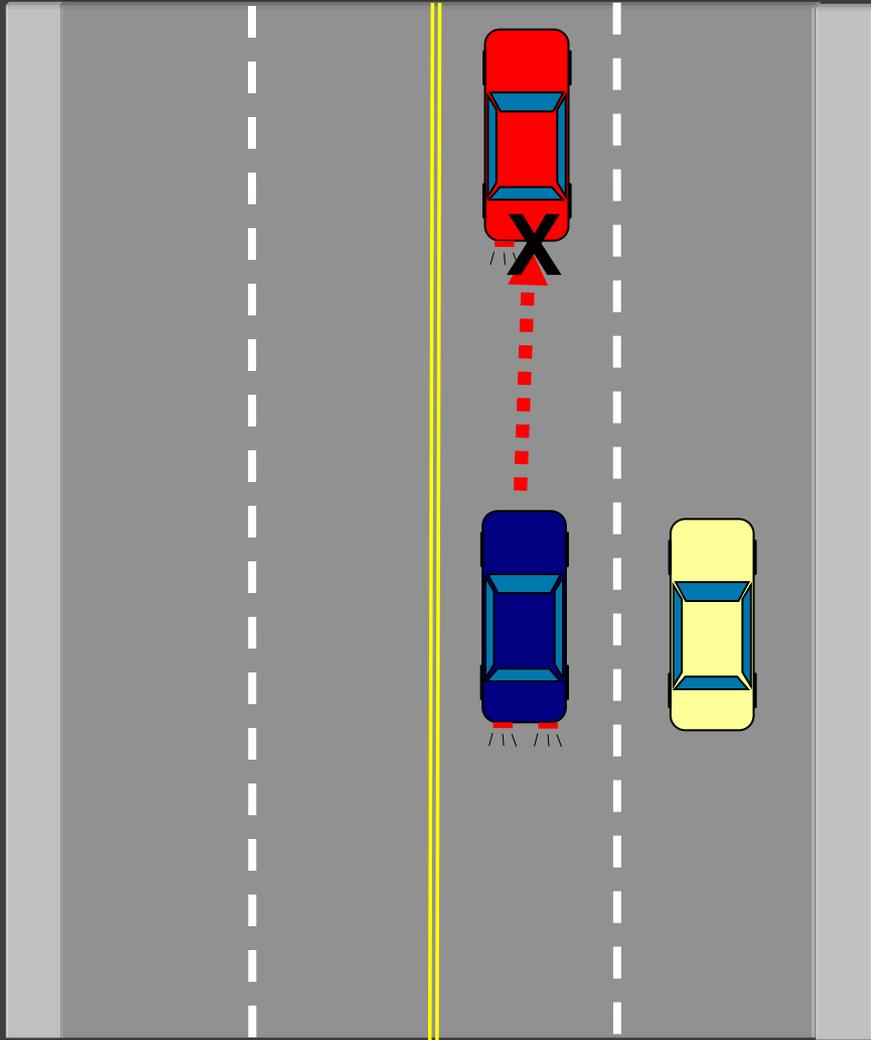


Convert 4-Lane Road to 3-Lane and TWLTL

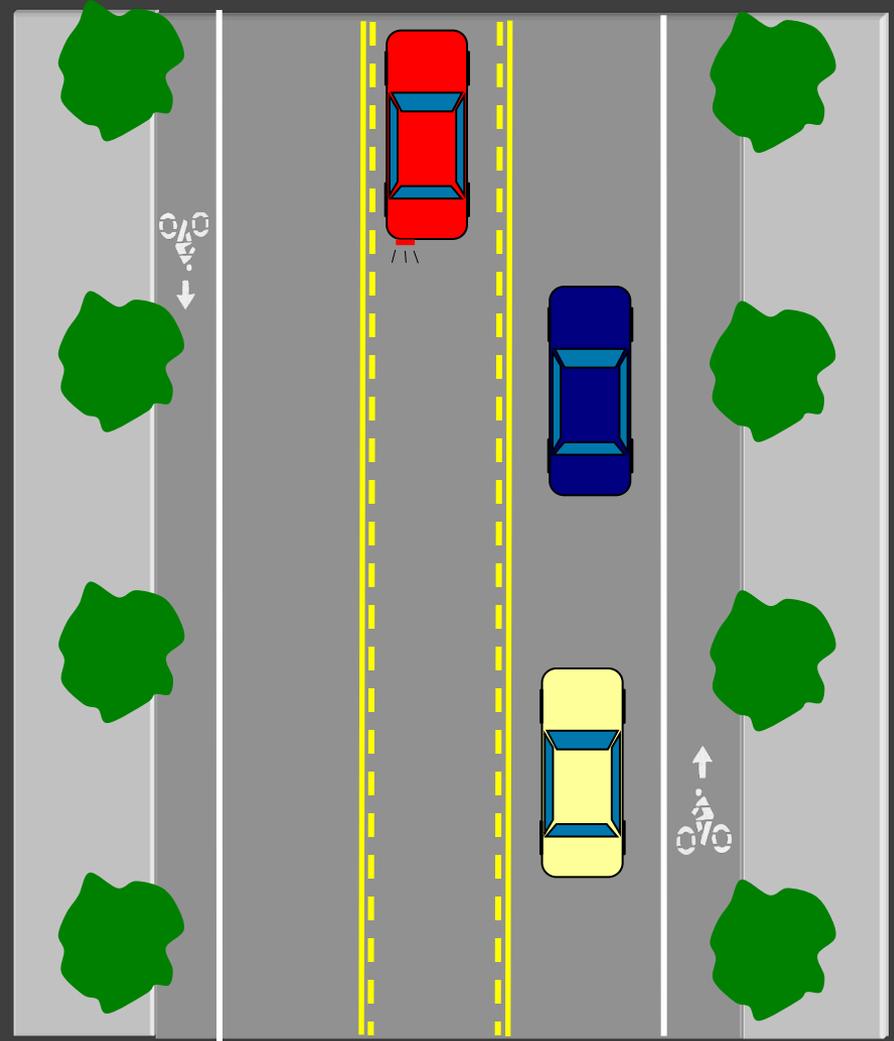
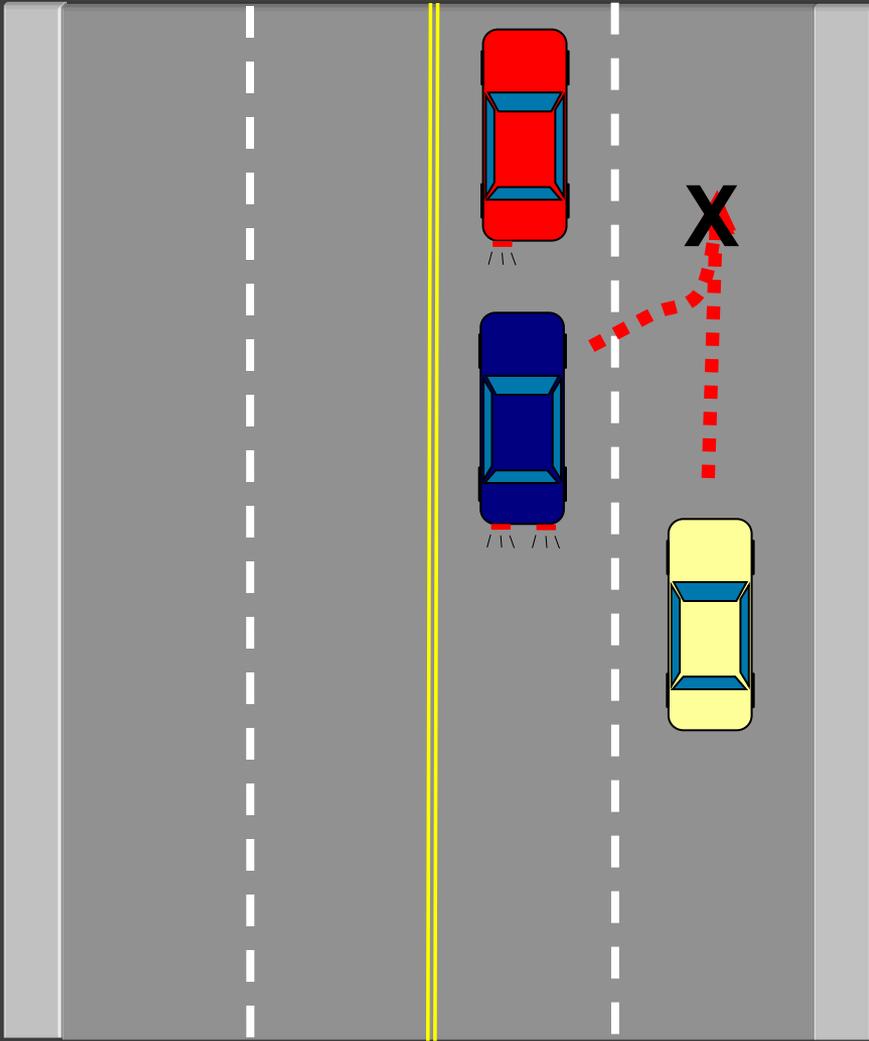
29% crash reduction

3 crash types can be reduced by going from 4 to 3 lanes:

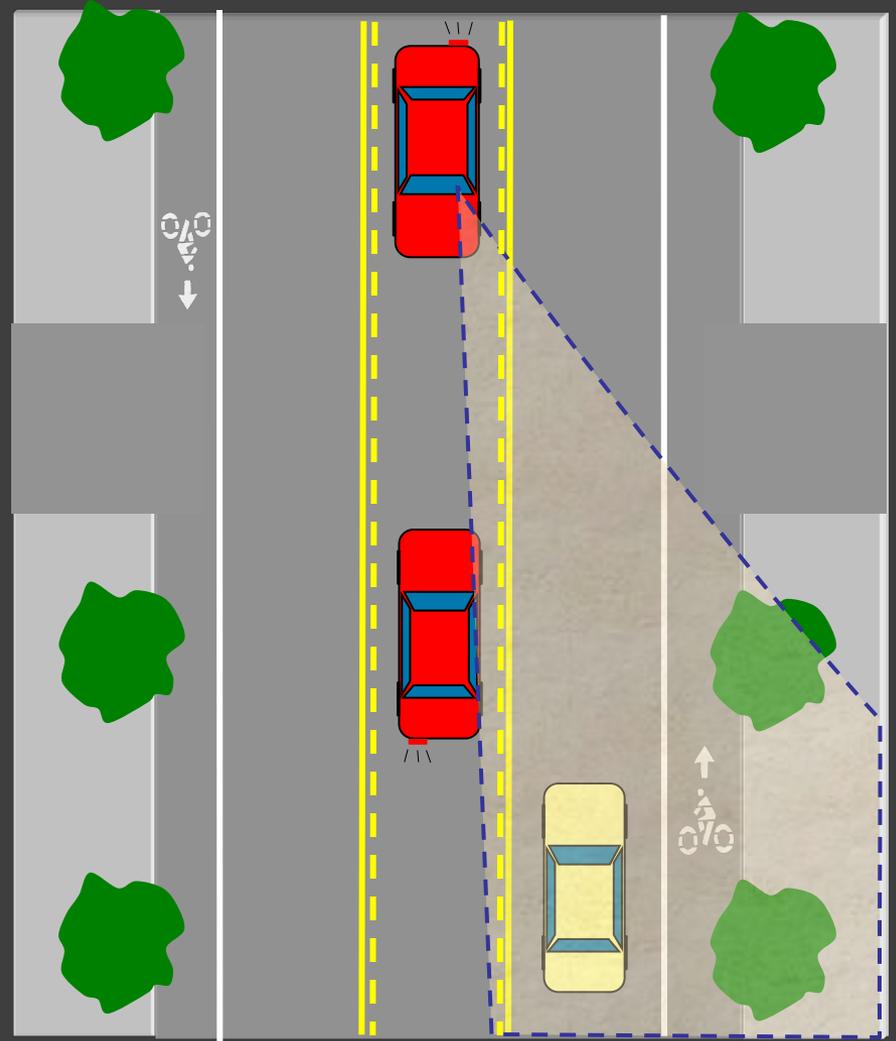
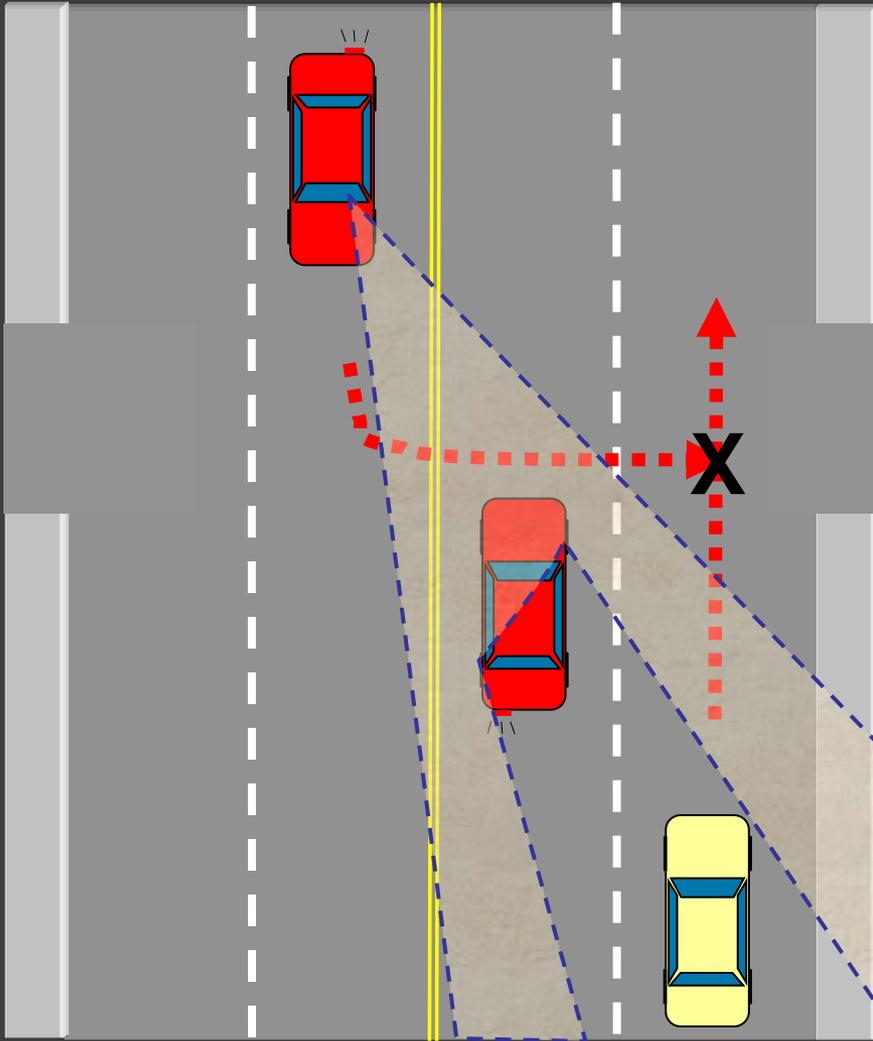
1 – rear enders



3 crash types can be reduced by going from 4 to 3 lanes: 2 – side swipes



3 crash types can be reduced by going from 4 to 3 lanes: 3 – left turn/broadside





Before and After Example





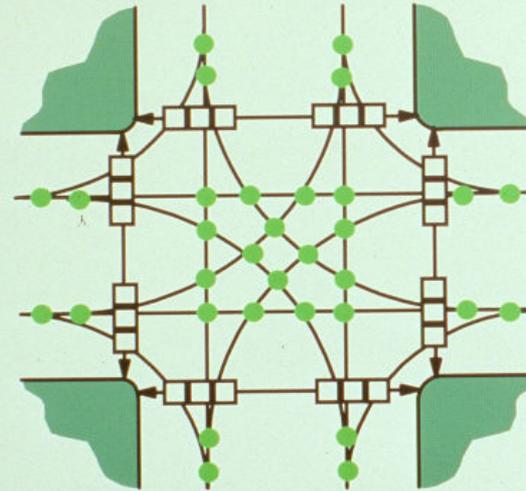
Can handle 25,000 vehicles per day



Can handle 25,000 vehicles per day

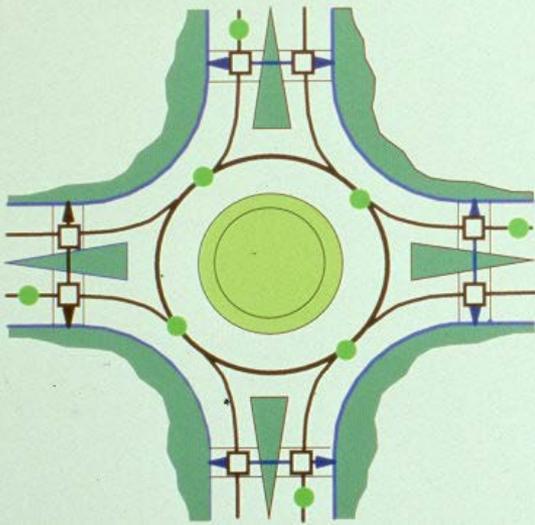
Roundabouts are safer

Conflicts At a Four-Way Intersection



- 32 vehicle-to-vehicle
- 24 vehicle-to-pedestrian conflicts

Conflicts At Roundabouts



- 8 vehicle-to-vehicle
- 8 vehicle-to-pedestrian conflicts

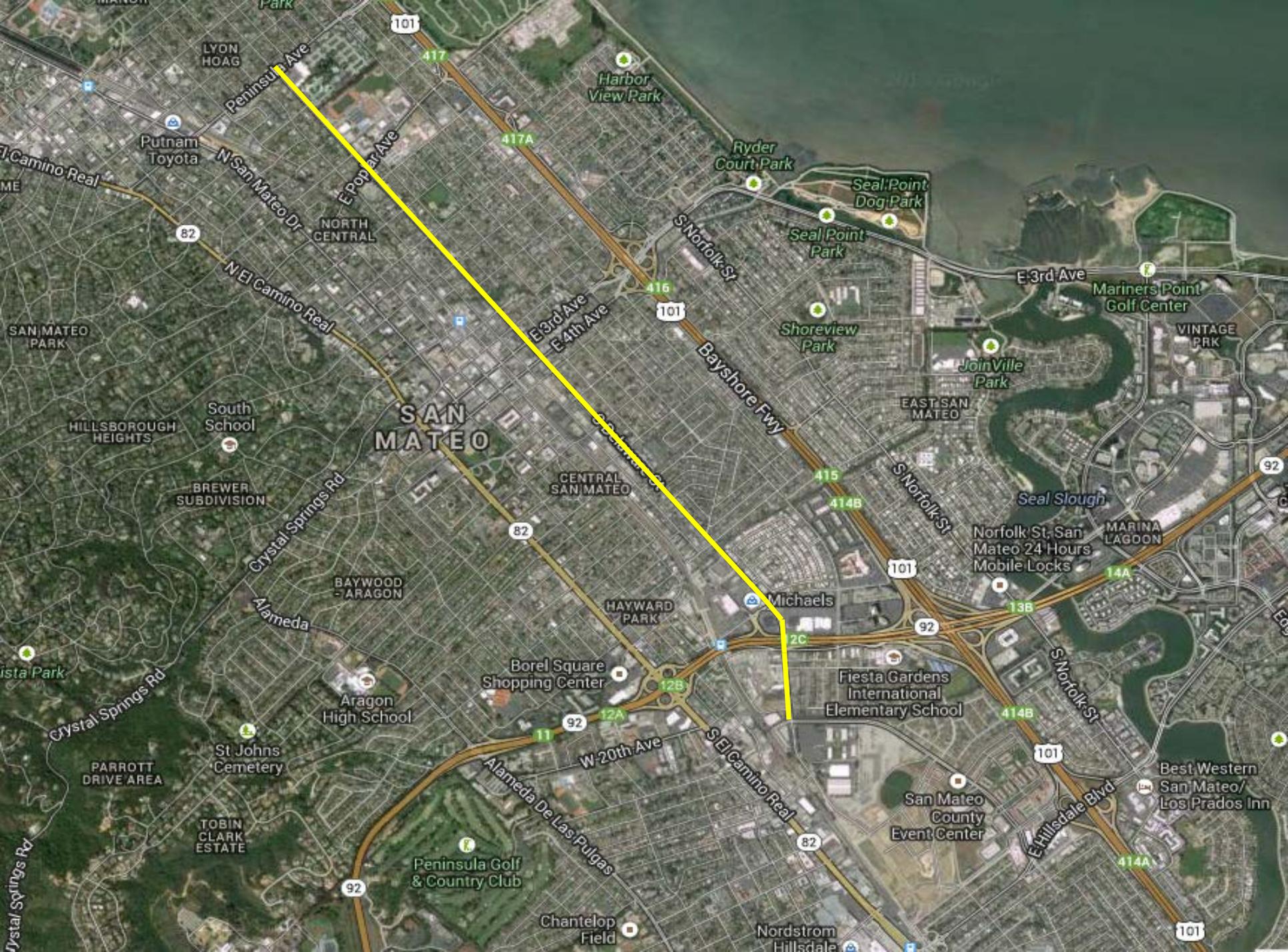
“Results of this study indicate that converting conventional intersections from stop sign or traffic signal control can produce substantial reductions in motor vehicle crashes.”

March 2000 Study by the Insurance Institute for Highway Safety

Delaware Street Streetscape Project

Delaware Street

- Extends from San Mateo's northern border with Burlingame to 28th Avenue
- Provides important north-south connections
 - State Route 92
 - San Mateo County Expo Center
 - Hayward Park and Hillside Caltrain Stations
 - Residential Neighborhoods



SAN MATEO

LYON HOAG

Putnam Toyota

Harbor View Park

Ryder Court Park

Seal Point Dog Park

Seal Point Park

Mariners Point Golf Center

SAN MATEO PARK

HILLSBOROUGH HEIGHTS

South School

BREWER SUBDIVISION

CENTRAL SAN MATEO

Shoreview Park

Joinville Park

VINTAGE PRK

Crystal Springs Rd

82

101

S Norfolk St

Seal Slough

MARINA LAGOON

Alameda

BAYWOOD - ARAGON

HAYWARD PARK

Michaels

101

Fiesta Gardens International Elementary School

Norfolk St, San Mateo 24 Hours Mobile Locks

ista Park

Crystal Springs Rd

Aragon High School

Borel Square Shopping Center

12B

92

St Johns Cemetery

PARROTT DRIVE AREA

Alameda De Las Pulgas

W 20th Ave

S El Camino Real

82

San Mateo County Event Center

S Norfolk St

101

Best Western San Mateo/ Los Prados Inn

TOBIN CLARK ESTATE

Peninsula Golf & Country Club

Chantelop Field

Nordstrom Hillsdale

E Hillsdale Blvd

414A

101

San Mateo Rail Corridor Plan

- Adopted in 2005
- Guides TOD near Hillsdale/Hayward Park Stations
- Identified improvements for Delaware Street
 - Interconnected street system
 - Multi-modal connections to Stations
 - Improved street appearance
 - More pedestrian friendly

Delaware Streetscape Project

- Widen sidewalk
- Add planted buffer
- Add Class II bike lane
- Reduce travel lanes
- Install decorative bridge railing
- New landscaping



Wider Sidewalks

Before



After



Enhanced Pedestrian Lighting

Before



After



Class II Bicycle Lane

Before



After



New Landscaping

Before



After



Reduced Travel Lanes

Before



After

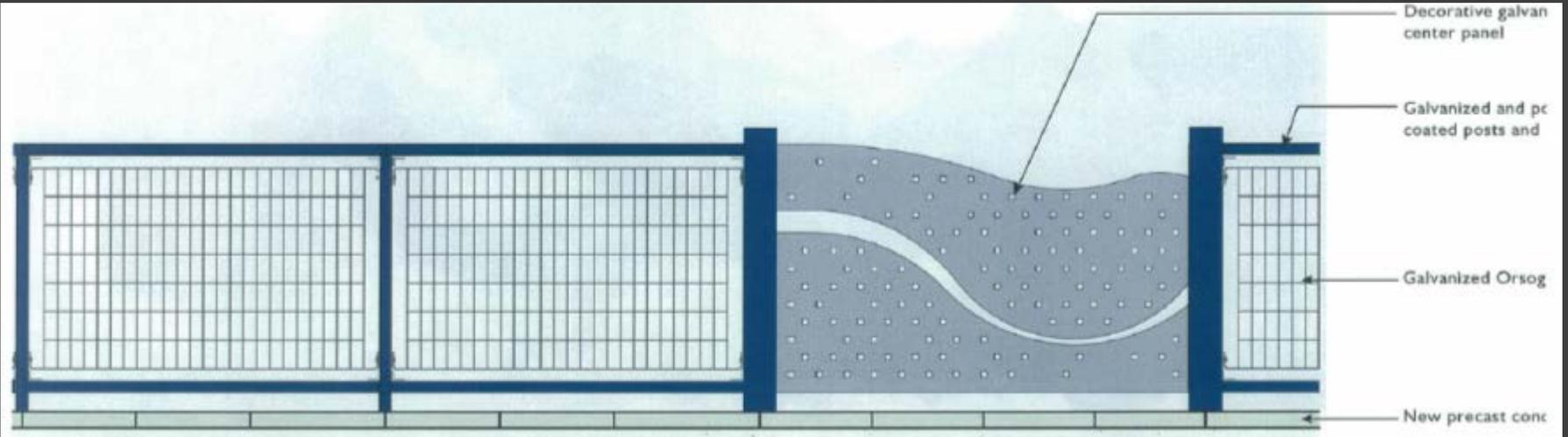


16th Avenue Bridge Rail

Before



After



Project Funding

Total Project Cost = \$1.4M

- \$60K federal CMAQ funds – for design
- \$545k MTC Transportation for Livable Communities (TLC) Program funds – for construction
- \$627k from Station Park Green Developer
- \$168k from City

Bay Meadows II Green Streets

Bay Meadows II Development Green Streets



Laurel Elementary
Safe Routes to School and
Green Streets

Laurel Elementary School Safe Routes to School



Laurel Sustainable SRTS Design: Overall Project Improvements

Scale: 1"=40'
February 2014

 Kimley-Horn
and Associates, Inc.

 Urban Rain | Design
The Office of Kevin Robert Perry, AIA

Laurel Elementary School Safe Routes to School



Laurel Sustainable SRTS Design: 36th Avenue Improvements

Scale: 1"=30'
February 2014

36th Avenue Improvements

- 1 Expanded concrete paving zone allows for more pedestrian area for bus drop off and pick up times.
- 2 Sidewalk for students waiting for the bus or social engagement.
- 3 Low maintenance and drought-tolerant landscaping surrounding new sidewalk and paving areas.
- 4 Existing retaining wall to remain.
- 5 Existing school signage to remain.
- 6 New ADA accessible ramp leading from sidewalk zone to MPE.
- 7 22-bike capacity bike parking area.
- 8 Existing trees (with open white circle tree trunk) to be protected and retained (Typical).
- 9 100' Red Curb-No Parking Zone
- 10 180' of on-street parking from waiting area to fire access driveway



Laurel Sustainable SRTS Design: Hacienda Street and Winway Circle Improvements

Scale: 1"=30'
February 2014

Hacienda Street Improvements

- 1 New conventional curb extension on the east side of Hacienda/Winway with ADA accessible ramps, landscaping, and button activated flashing light crosswalk.
- 2 Stormwater curb extension accepts stormwater runoff from the west side of Hacienda Street.
- 3 New ADA ramp built into the stormwater curb extension allows runoff to pass under the ramp using a covered trench drain system. This ramp also has rectangular rapid flashing beacons.
- 4 New ADA accessible pathway to playground space.
- 5 Existing school driveway to remain.
- 6 Curb extensions reduce overall crossing distance by 54-60'.
- 7 Existing trees (with open white circle tree trunk) to be protected and retained (Typical).
- 8 Existing storm inlet to be capped and abandoned.
- 9 Any overflow from stormwater curb extensions is allowed to enter the existing storm drain (to the creek).

Laurel Elementary School Safe Routes to School



36th Avenue Improvements

- 1 New concrete paving zone allows for improved pedestrian area for student drop off and pick up times.
- 2 Truncated domes demarcate the transition from pedestrian and vehicular zones.
- 3 Drop-off/pick-up parking zone.
- 4 One-way travel aisle for parent/student drop-off/pick-up/pull-through.
- 5 New risin gardens accept stormwater runoff from drop-off/pick-up zones as well as a portion of the MPR rooftop.
- 6 One-way travel aisle for staff parking lot area. The travel side would be controlled to only allow staff to enter during drop-off and pick-up times.
- 7 New pervious paver system for staff parking stalls and pedestrian zone.
- 8 Existing landscape area/new conventional landscape area.
- 9 New stormwater planter accepts stormwater runoff parking lot area.
- 10 Low-profile asphalt speed bump is placed to direct stormwater flow into adjacent stormwater planters.
- 11 New entry driveway to parking lot and drop-off/pick-up zone from Hacienda Street.
- 12 New pedestrian entrance from Hacienda Street.
- 13 Bollards for protecting pedestrian zone are placed continuously along sidewalk zone. Some bollards will be removable for trash container pick up times.
- 14 Existing trees [with open white circle tree trunk] to be protected and retained(Typical).
- 15 New tree [with closed black circle tree trunk](Typical).
- 16 Relocate exit driveway from parking lot and drop-off/pick-up zone to 36th Avenue.
- 17 A 2'-wide trench drain allows for a portion of adjacent rooftop runoff to be conveyed to a risin garden.
- 18 Expanded concrete paving zone allows for more pedestrian area for drop-off and pick-up.
- 19 New risin garden and circular onestall provides an attractive entry point into the school.
- 20 Stormwater curb extensions accepts stormwater runoff from the north side of 36th Avenue.
- 21 New concrete curb extensions with ADA accessible ramps helps shorten pedestrian crossing distances. Corner of sidewalk zone is pulled back to allow for easier pedestrian flow and better site distance.
- 22 Overflow from stormwater landscape is allowed to overflow on the surface and down the driveway.
- 23 8" high perimeter fence.
- 24 Gated access into the school grounds

Laurel Sustainable SRTS Design: Parking Lot Plan and 36th Avenue Intersection

Scale: 1"=20'
February 2014

Kimley-Horn
and Associates, Inc.

Urban Rain | Design
The Office of Urban Storm Water, LLC

Laurel Elementary School Safe Routes to School



Laurel Sustainable SRTS Design: Precedent Examples



Questions and Comments?

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