

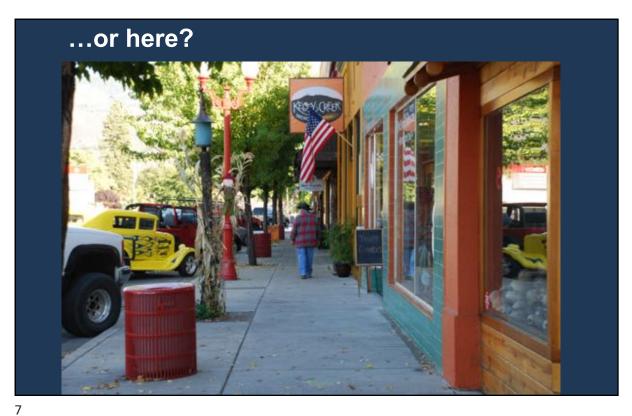
What is the Purpose of Towns and Cities? Towns and Cities are an invention to maximize exchange (goods, culture, friendship, knowledge) and to minimize travel.









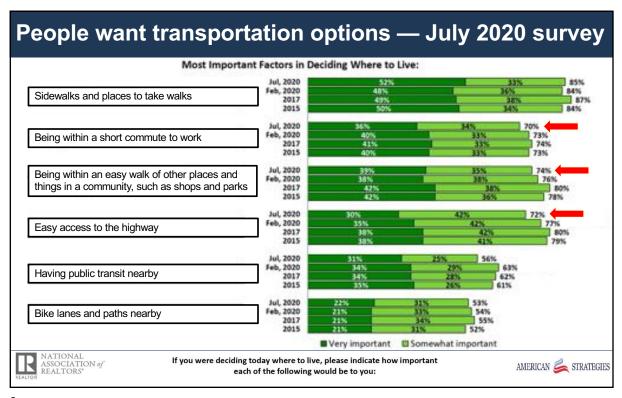


People want transportation options — 2017 survey

	Important things when deciding where to live	Important (very or somewhat)	Not Important
	Sidewalks and places to take walks	87%	14%
>	Being within an easy walk of other places and things in the community	80%	20%
	Easy access to the highway	80%	20%
	Being within a short commute to work	74%	26%
	Having public transit nearby	62%	38%
	Bike lanes and paths nearby	55%	46%
	Separated bike paths or trails	53%	47%

Q10-16. If you were deciding today where to live, please indicate how important are each of the following?

National Association of Realtors, Portland State University, Community and Transportation Preferences Survey, September 2017



Poll #1

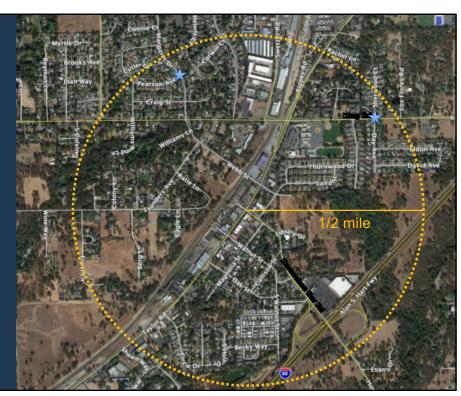
How far would you be willing to walk to get to a coffee shop or restaurant in Loomis?

- ¼ mile (about 5-6 minutes)
- ½ mile (about 10-12 minutes)
- ¾ mile (about 15-18 minutes)
- 1 mile (about 20-24 minutes)
- 2 miles (about 40-48 minutes)

Walking in Loomis:

From Taylor Road and Horseshoe Bar Road

½ mile 10-12 minute walk

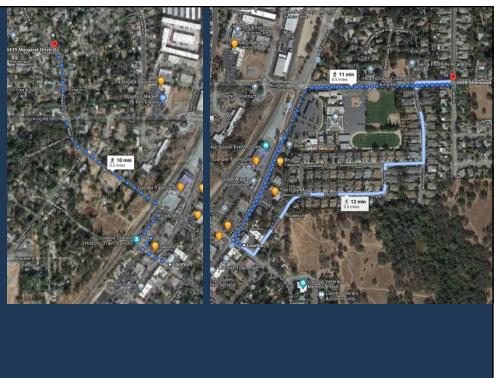


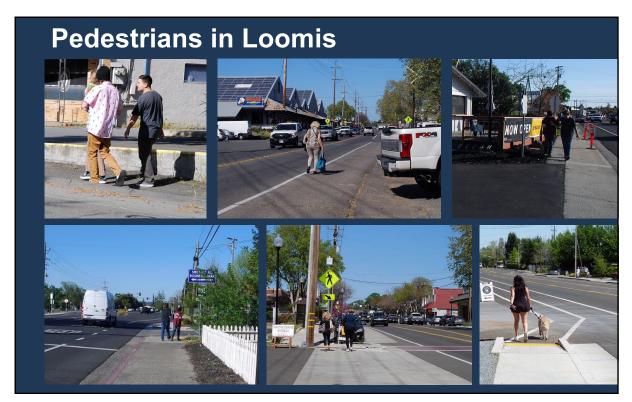
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Walking in Loomis:

0.5 mile 10 minute walk

0.5 mile 11 minute walk



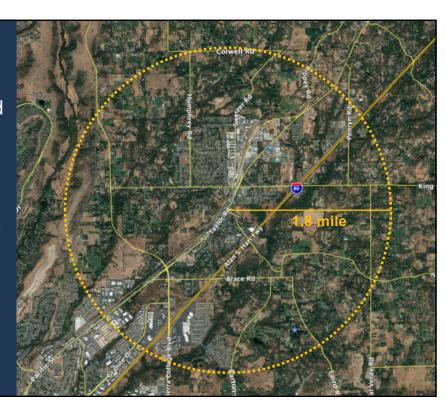




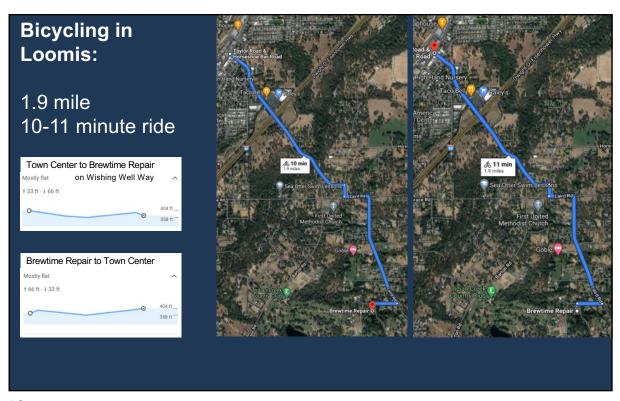
Bicycling in Loomis:

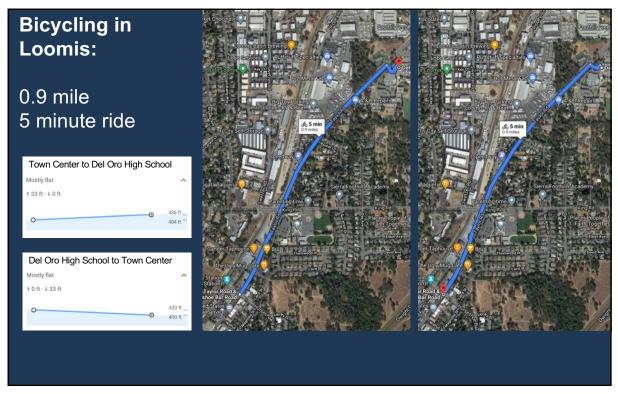
From Taylor Road and Horseshoe Bar Road

1.8 mile 10-12 minute ride (at 10mph)



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Poll #2

Which of the following best describes your attitude about riding a bike?

- I'm a strong and fearless cyclist
- I'm enthused and confident about riding a bike
- I'm interested but concerned about riding a bike
- There is no way, no how I'm getting on a bike

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Complete Streets



Complete Streets are streets for everyone, no matter who they are or how they travel.

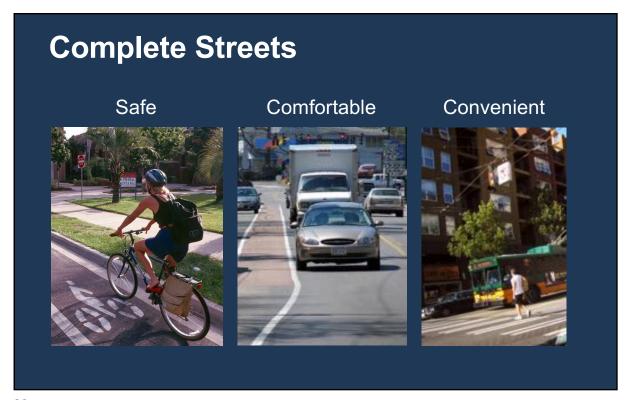
Complete Streets

- Streets designed for people, not just cars
- Friendly to cars, pedestrians and cyclists

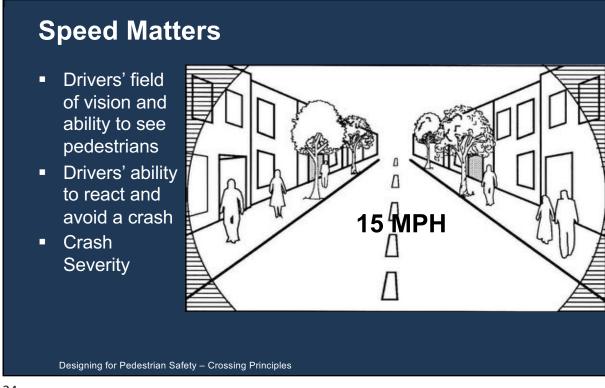


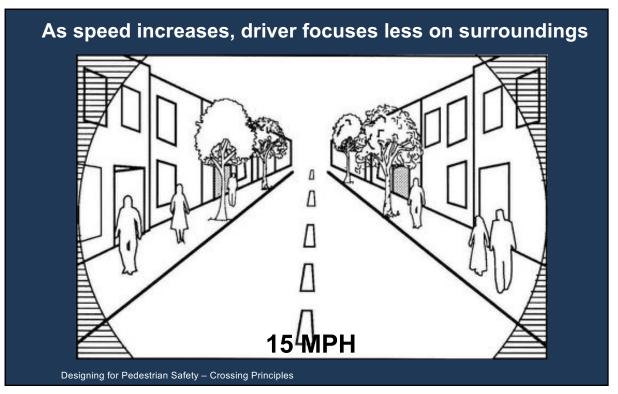


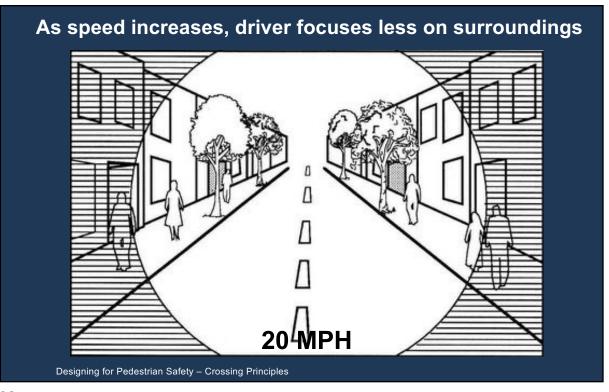
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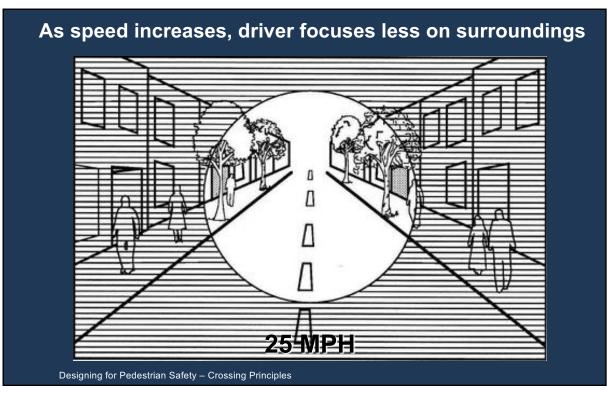


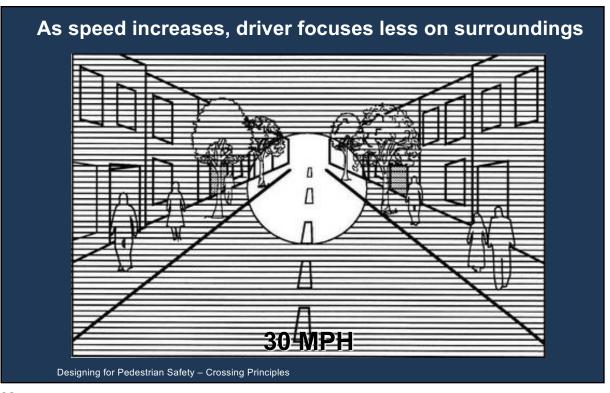


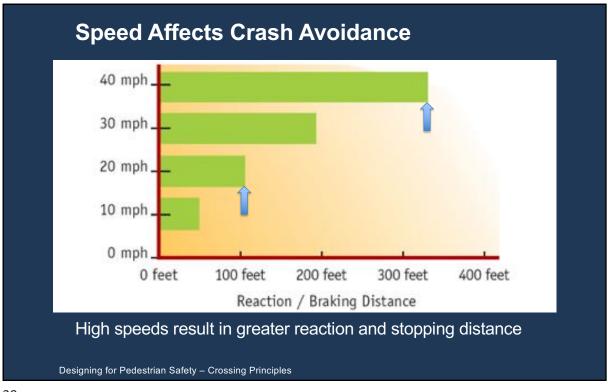


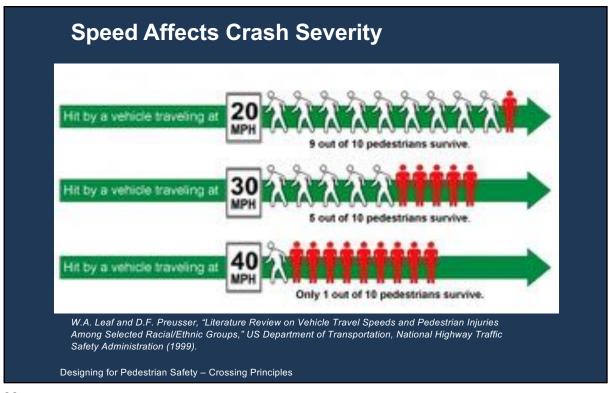






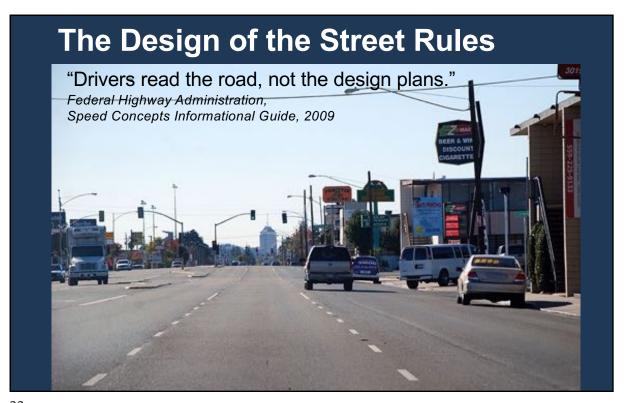


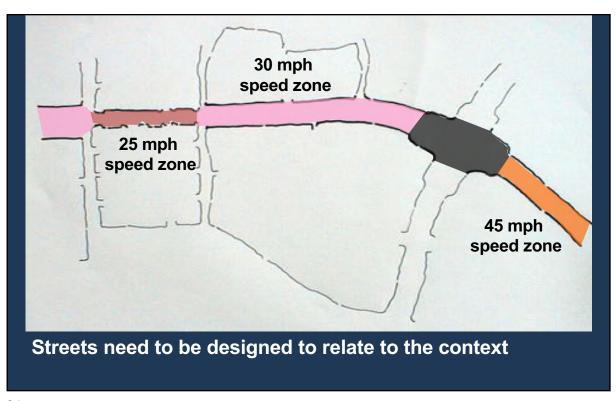


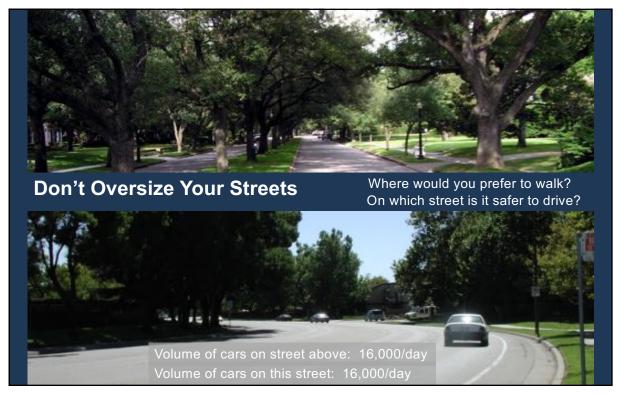










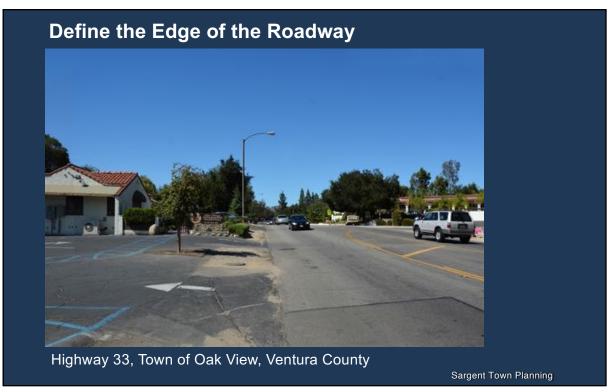














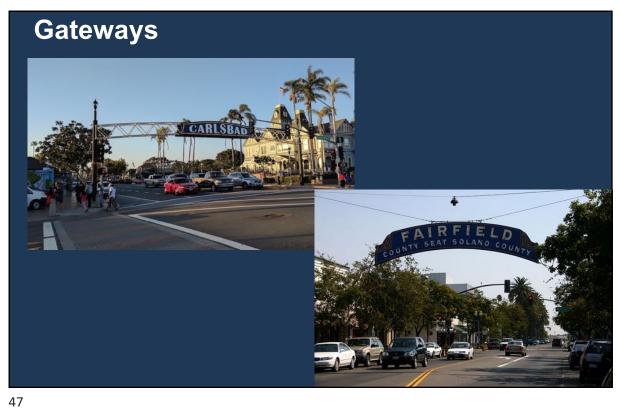




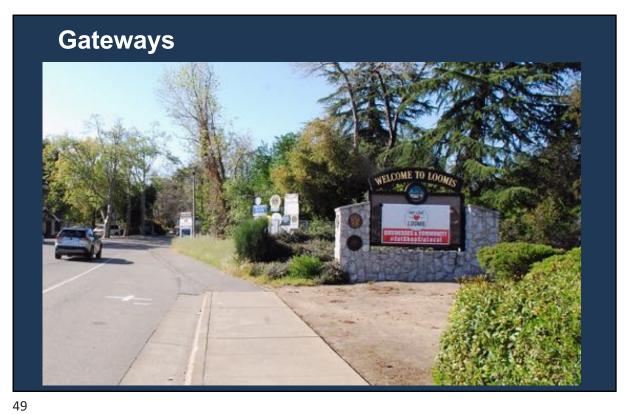












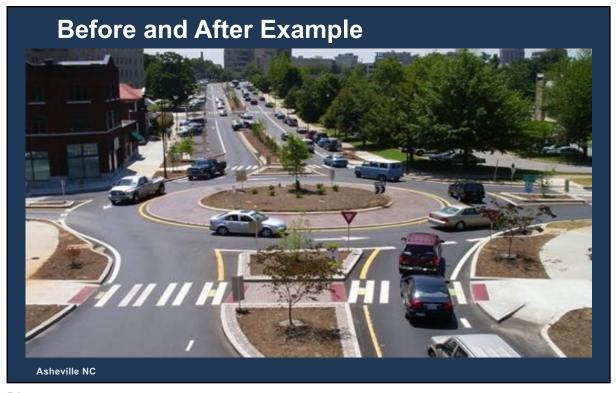


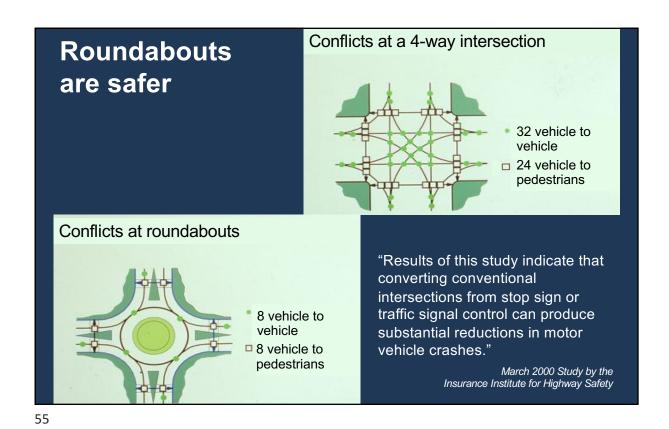


Roundabouts can create great gateways, while reducing vehicle speeds and moving traffic safely and smoothly









Poll #4

Approximately how many roundabouts do you estimate have been built in the U.S.?

- **500**
- **1,000**
- **3,000**
- **5,000**
- **7**,000
- **15,000**

Poll #5

Which city in the U.S. has the most roundabouts?

- Modesto, CA
- Sioux City, IA
- Seattle, WA
- Carmel, IN
- Orlando, FL
- Worcester, MA

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Traffic Calming Mini-Circles



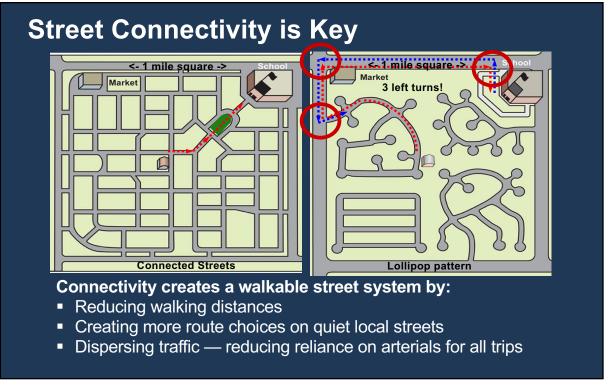
Mini circles at intersections resulted in a 77% reduction in crashes in Seattle, WA

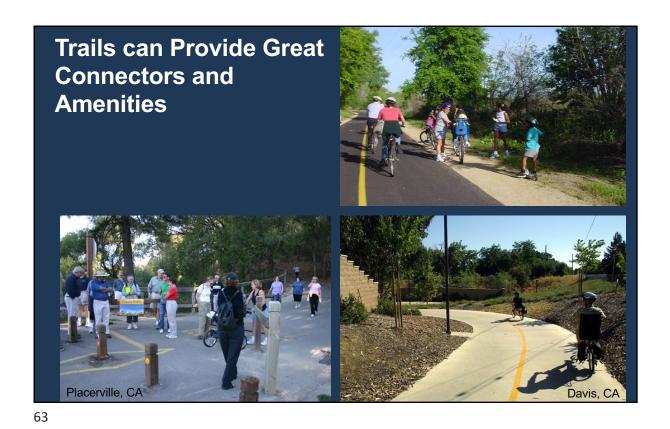
Source: PedSafe, Pedestrian Safety Guide and Countermeasure Selection Guide, FHWA; Traffic Circle Program, City of Seattle, WA. www.seattle.gov/transportation/trafficcircles.htm;













Look for opportunities to create and expand trail connections

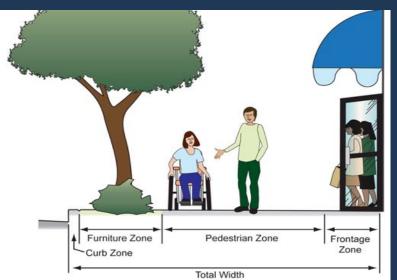


65

Sidewalk Corridors — The Zone System

The sidewalk corridor extends from the edge of roadway to the private property line and is divided into 4 zones:

- Curb Zone
- Furniture Zone
- Pedestrian Zone
- Frontage Zone



Poll #6

What should be the minimum width for sidewalks?

- 3 feet
- 4 feet
- 5 feet
- 6 feet
- 7 feet

67

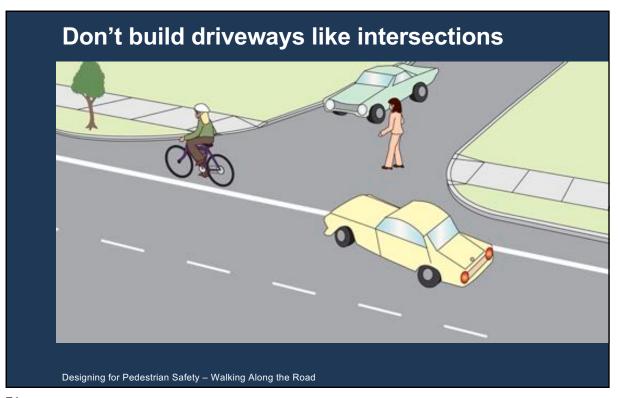




For two moms (or dads) with strollers, sidewalks need to be at least 5 feet wide

69











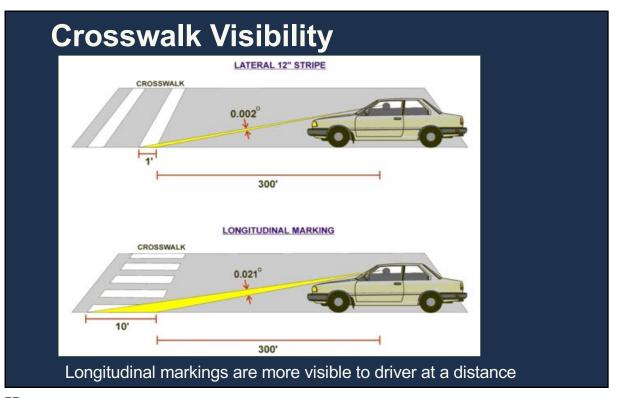


Increase Effectiveness Of Crosswalks With:

- Proper location
- High Visibility Markings
- Illumination
- Signing
- Advance Stop Bars
- Median Islands
- Curb Extensions
- Beacons
 - Rectangular Rapid Flashing Beacon
 - Pedestrian Hybrid Beacon
- Signals







Poll #7

Is it legal to cross the street at an intersection (where there's no signal or stop sign) if the crosswalk is not marked?

- Yes
- No

Poll #8

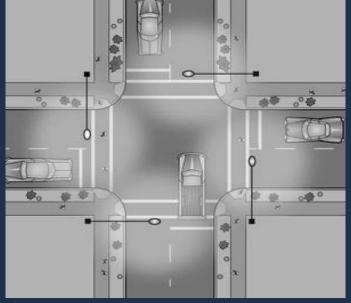
Is it legal to cross the street in the middle of the block?

- Yes
- No
- It depends

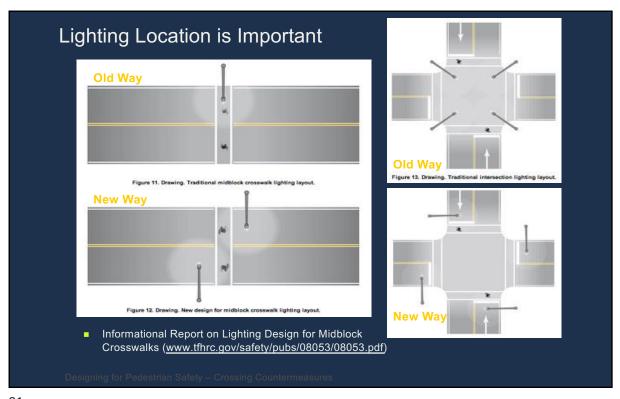
79

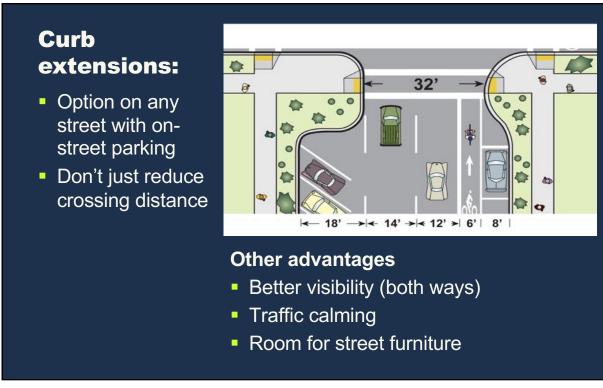
Illumination – Essential For Any Crossing

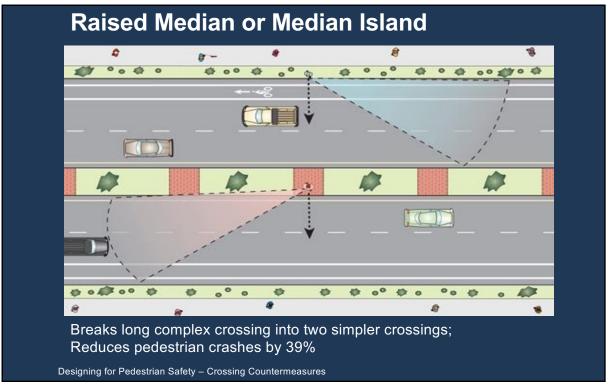
- Marked crosswalk?
- Light it
- Up to 50% of pedestrian crashes occur at night



esigning for Pedestrian Safety – Crossing Countermeasu

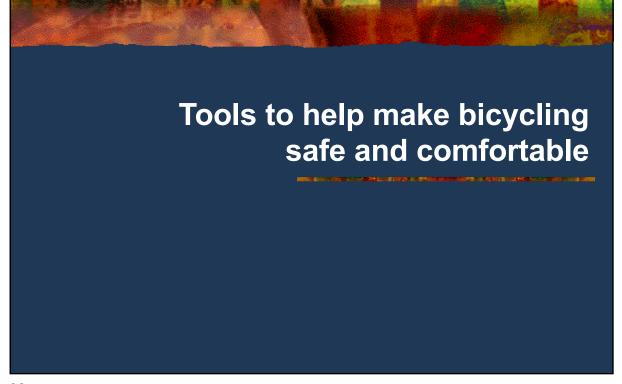


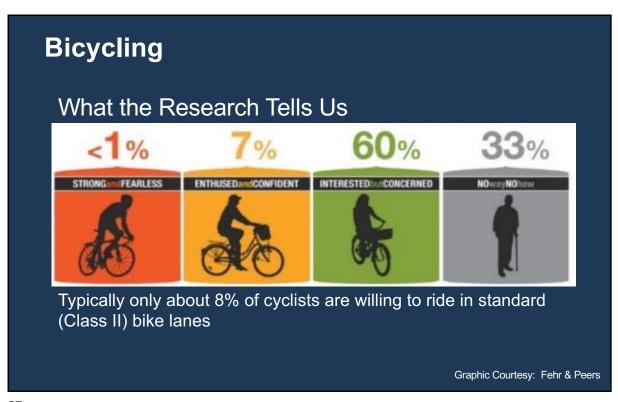






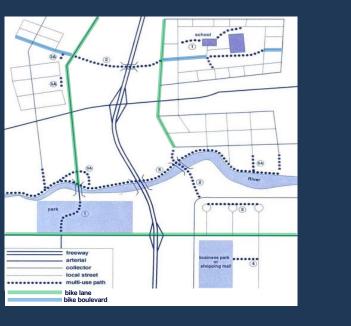






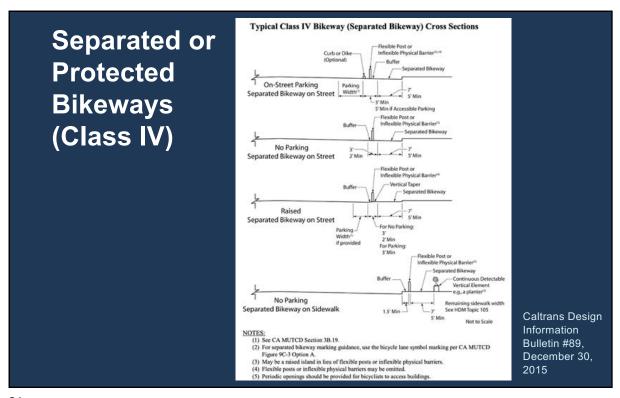
Bikeway Network

- Complete Streets require a complete network for cyclists
- Just like roads and sidewalks, bikeways need to be part of a connected network.
- OK to combine various bikeway types, including on and off-street facilities















Poll #9

In which of the following facilities would you be most willing to ride a bicycle?

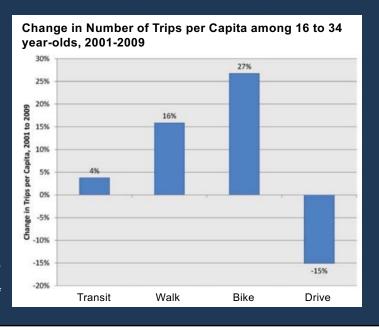
- Vehicle travel lane
- Standard bicycle lane next to vehicles
- Bicycle lane with a painted buffer to vehicles
- Bikeway that's separated from vehicles
- Multi-Use trail

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Millenials are walking/cycling more, driving less

- Moving to downtowns and older neighborhoods
- Driving less and looking for other transportation options.

www.copirg.org/sites/pirg/files/rep orts/Millennials%20in%20Motion %20CoPIRG.pdf





Quantified Benefits of Trees

Benefits

- Save Energy
- Improve Air Quality
- Reduce CO2
- Reduce Stormwater Runoff
- Increase Property Values



From Tree Guidelines for San Joaquin Valley Communities, by E. Gregory McPherson, James R. Simpson, Paula J. Peper, Qingfu Xiao, Western Center for Urban Forest Research and Education, Published by the **Local Government Commission**

Quantified Benefits of Trees

Average Annual Net Benefit

Per Tree

(over 40 years with costs factored in)

Small Medium Large

\$1-\$8 \$26-\$37 \$48-62



From *Tree Guidelines for San Joaquin Valley Communities*, by E. Gregory McPherson, James R. Simpson, Paula J. Peper, Qingfu Xiao, Western Center for Urban Forest Research and Education, Published by the Local Government Commission

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Shade trees reduce street maintenance costs

- Unshaded street: 6 slurry seals over 30 yrs.
- Partially shaded: 5 slurry seals over 30 yrs.
- Highly shaded: 2.5 slurry seals over 30 yrs.
 - Savings = \$7.13/m² (\$0.66/ft²) over 30-year period compared to unshaded street



Source: "Effects of Street Tree Shade on Asphalt Concrete Pavement Performance," E. Gregory McPherson, Jules Muchnick, *Journal of Arboriculture*, November 2005



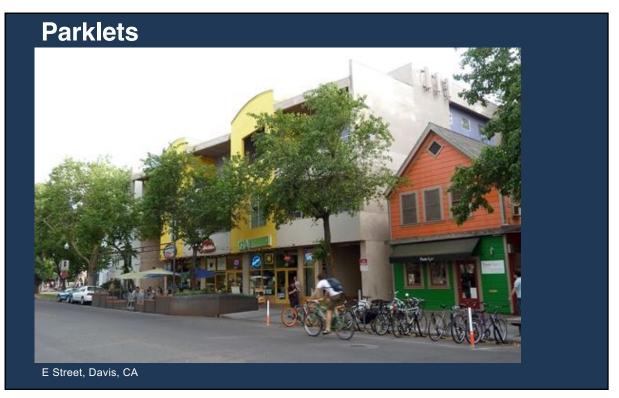


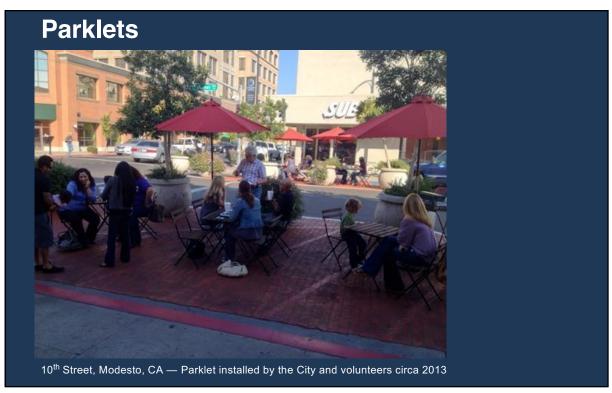


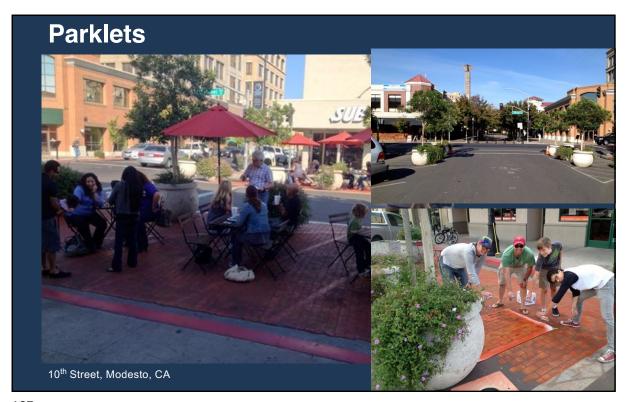
Places to Gather: Parklets

Take underused street space to create people places, support local businesses





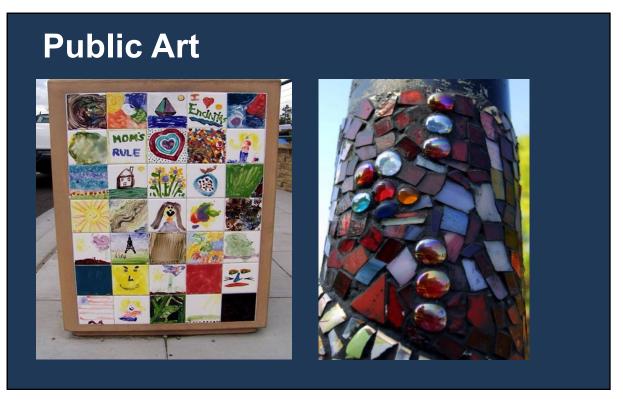






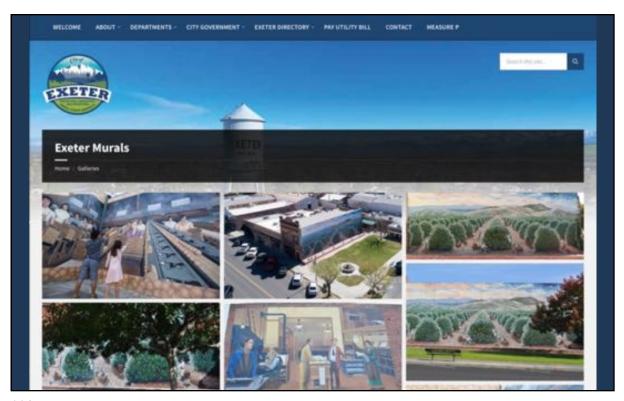








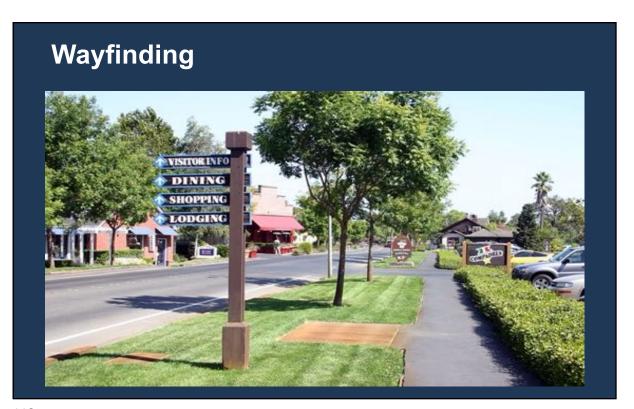


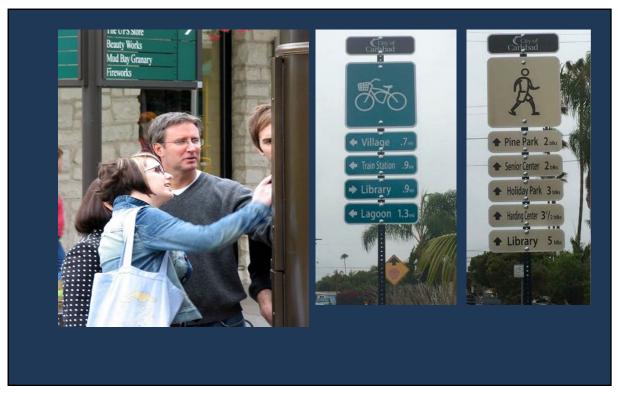


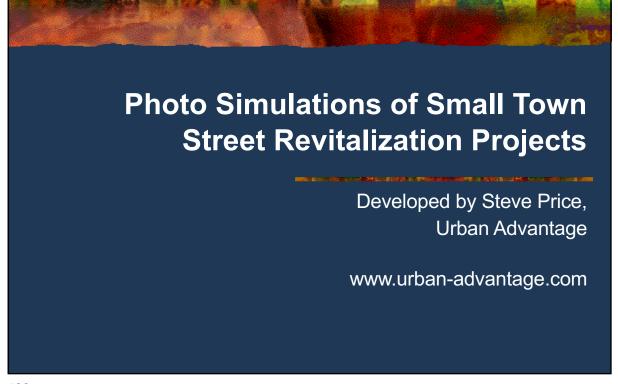


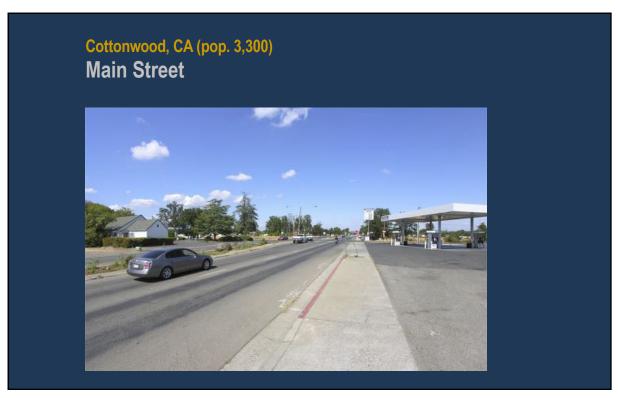


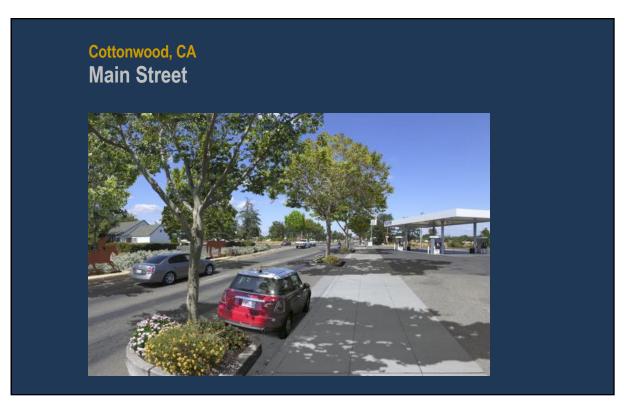


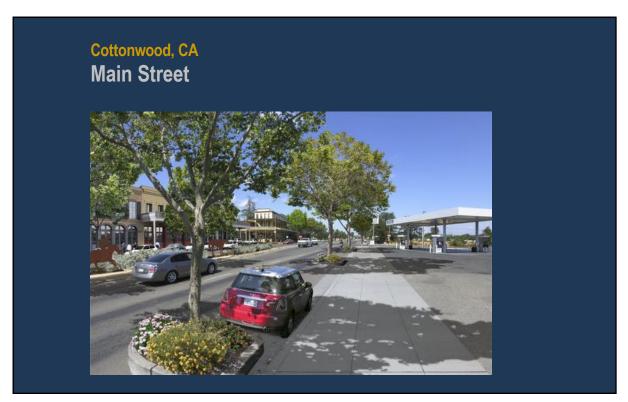


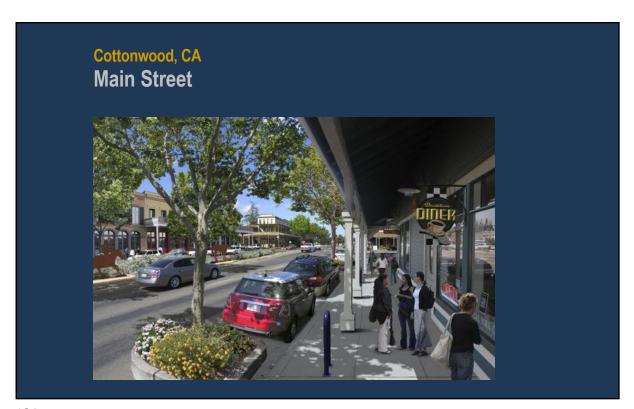


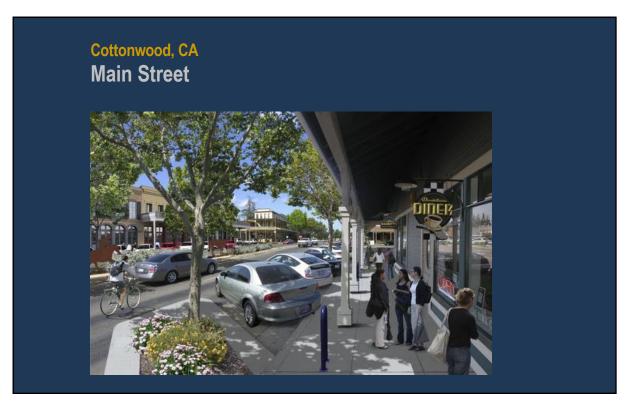


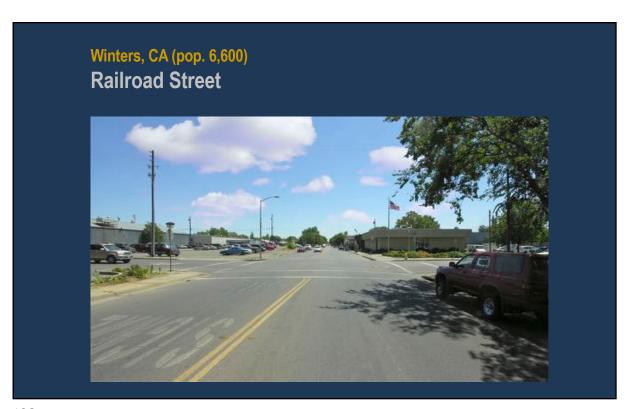


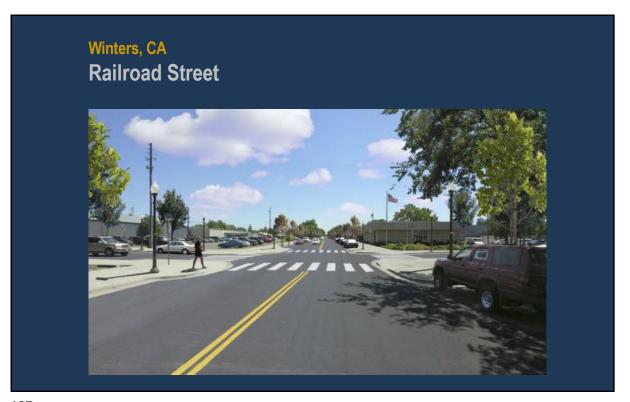


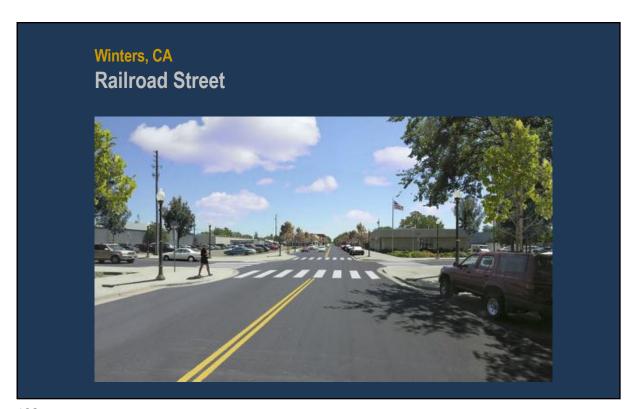


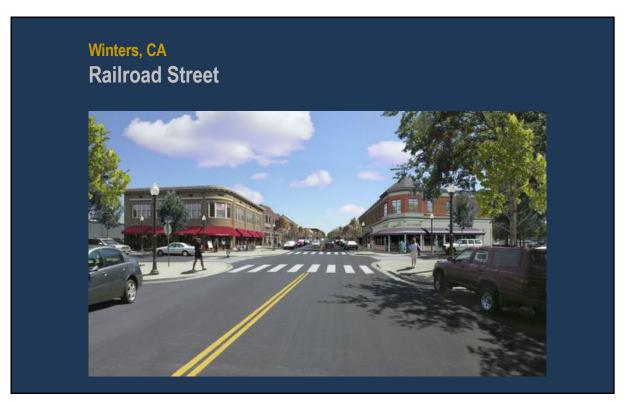


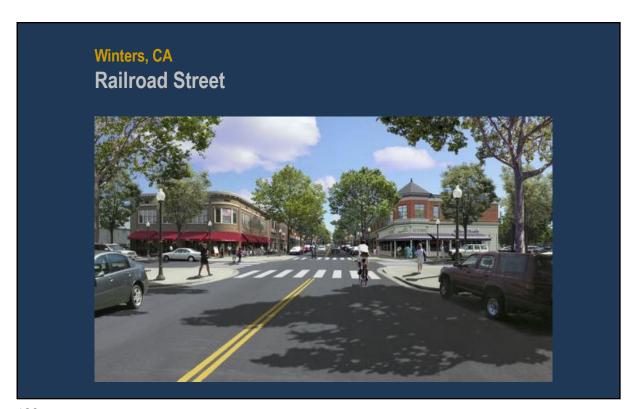


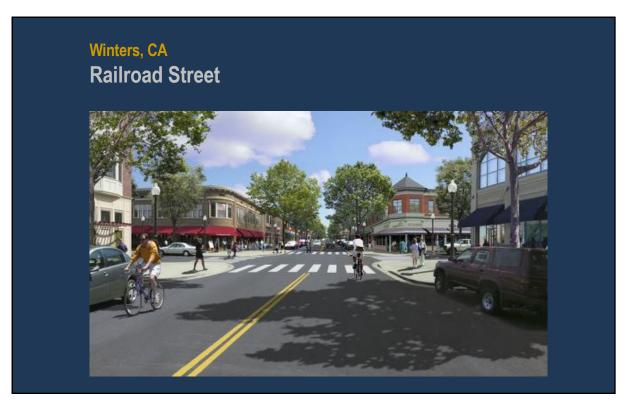


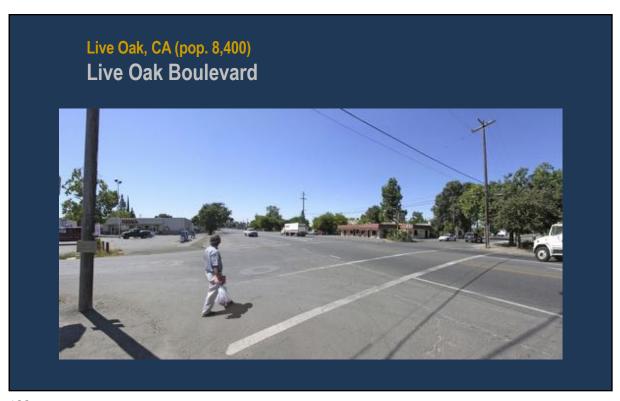


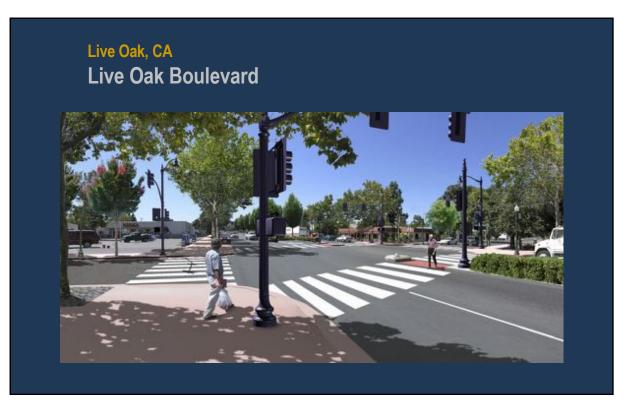


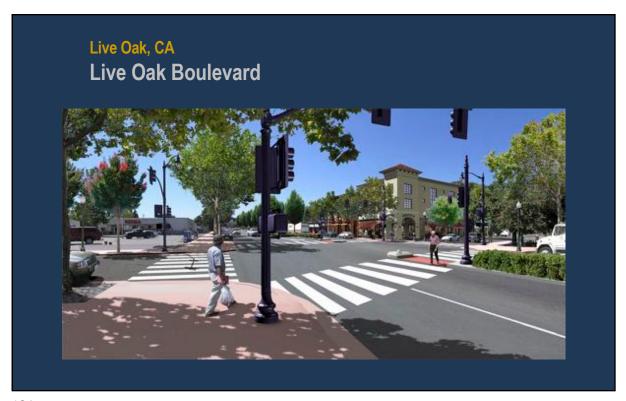


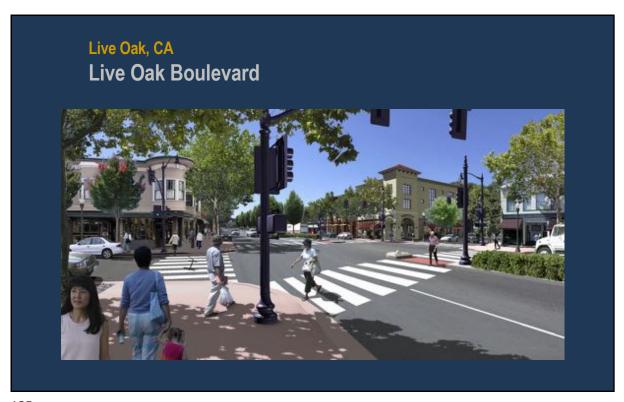












Questions/Comments