# Complete Streets: A comprehensive policy approach to encourage active living

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# Research Summaries



### Designing to Reduce Childhood Obesity

More access to healthy foods



Safe places to walk and play

Reduced screen time



#### Safe Routes to School

Distance, traffic and crime are all barriers to children walking to school.

More children walk to school where there are sidewalks.



Koplan, J.P., CDC 2004

Ewing, R. *Transportation Research Record* 2005

# Improving safety increases activity



Molnar, B.E., *Am. J. of Health Promotion*, 2004 Tester, J.M. *Am. J. of Public Health*, 2004

- Children were physically active for an extra 49 minutes in safer neighborhoods.
- Children were half as likely to be injured by a car if they lived within a block of a speed hump.

# Older women take more steps daily if more places are near home





Photo: Michael Ronkin, ODOT

King, W., *Am. J. of Public Health* 2003

#### Access to facilities

Creating and improving places to be active can result in a 25 percent increase in the portion of people exercising 3 times a week.

> CDC, Guide to Community Preventive Services, 2002

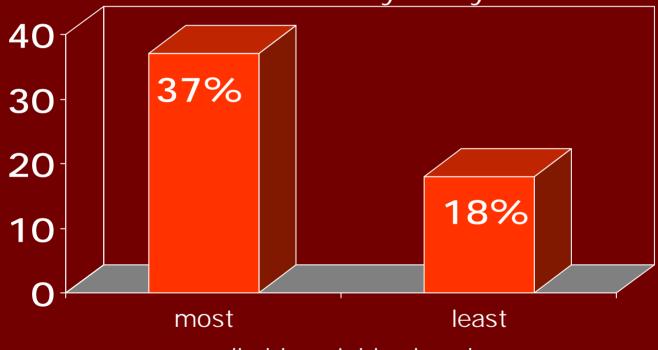
■ The closer people lived to a bikeway, the more likely they were to use it.

Troped, P.J. *Preventive Medicine* 2001



# Access to facilities helps people get enough activity.

Percent residents getting 30 min. activity a day

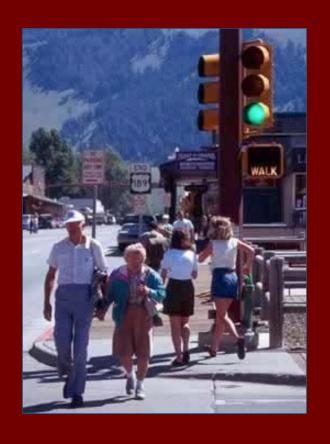


walkable neighborhoods

Frank, L.D., Am J. of Preventive Medicine, 2005

# Walkable neighborhoods have a positive impact on health

On average, walkable neighborhoods encourage 15-30 extra minutes of walking per week... enough to lose a pound a year.



Saelens, B.E. *Annals of Behavioral Medicine* 2003



# IOM Report Built Environment Strategies:

- Prioritize capital improvement projects to increase opportunities for physical activity in existing areas.
- Revise comprehensive plans, zoning and subdivision ordinances, and other planning practices to increase availability and accessibility of opportunities for physical activity in new developments.
- Improve the street, sidewalk, and street-crossing safety of routes to school.

### What is a Complete Street?

Pedestrians, bicyclists, motorists and transit riders of all ages and abilities are able to safely move along and across a complete street.

### What is a Complete Streets policy?

A complete streets policy ensures that the entire right of way is routinely designed and operated to enable safe access for all users.

# About one-third of Americans do not drive:

21% of Americans over 65.

All children under 16.

Many low income Americans cannot afford automobiles.

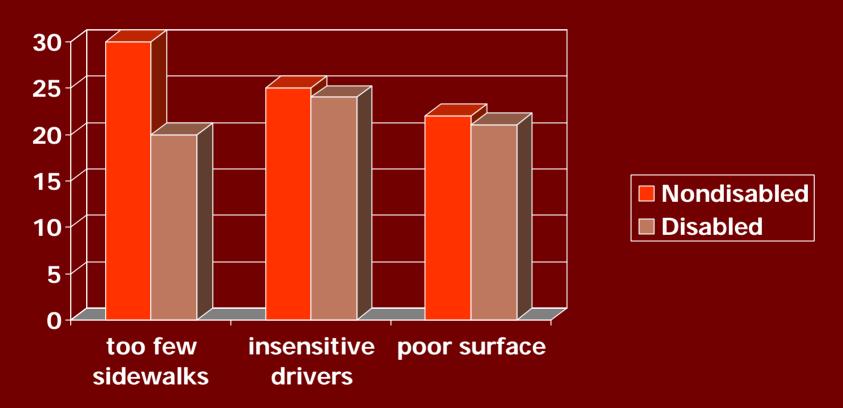


25% of walking trips take place on roads without sidewalks or shoulders

Bike lanes are available for only about 5% of bike trips

# Top pedestrian complaints are incomplete streets

Percent of peds experiencing problem



2002 Natl. Transportation Availability & Use Survey



No sidewalks



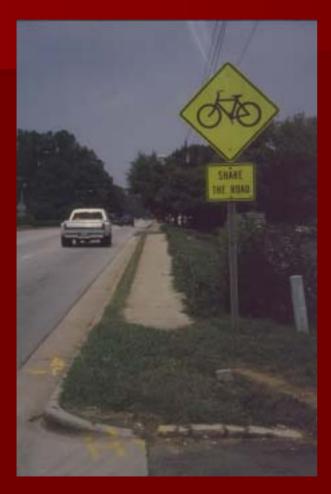
Too narrow to share with bikes

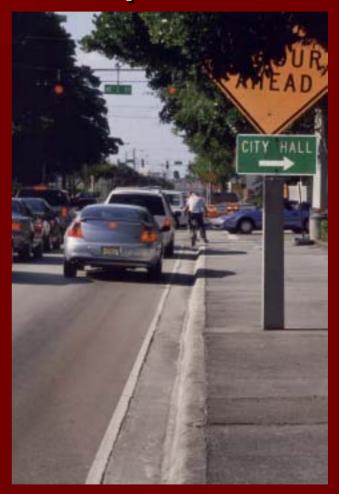


Too dangerous to cross on foot

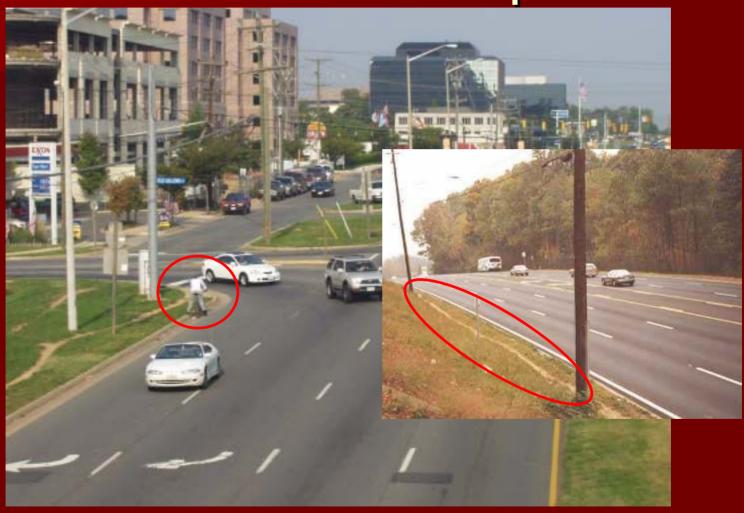


Uninviting for bus riders





No room for bikes or pedestrians



No room for people

### **USDOT** Recognizes the Need

#### 2000 USDOT Recommended Policy:

"Bicycle and pedestrian ways shall be established in new construction and reconstruction projects in all urbanized areas unless one or more of three conditions are met:"

#### **Exceptions:**

- Where bicyclists and peds are prohibited by law,
- 'Excessively disproportionate' costs (20%)
- Absence of need

Include paved shoulders on rural roads; avoid rumble strips

Sidewalks, street crossings, etc. shall allow safe pedestrian travel, including for people with disabilities

- Additional steps:
  - Anticipate future demand (bridges)
  - Address the need to cross corridors (intersection & interchange design)
  - Approve exceptions at a senior level
  - Design to best available standards

Read Accommodating Bicycle and Pedestrian Travel

http://www.fhwa.dot.gov/environment/bike
ped/design.htm

Most states do not follow this guidance.



# Thunderhead Alliance Complete Streets Report

- Most policies have been put in place since 2001, with 5 new policies put in place in 2004.
- Most cover only bicycle and pedestrian accommodation.

# Existing policies

	State	County	MPO	City
Public: legislation, ordinance, resolution	OR, FL, RI, NC, SC	DuPage, II. Sacramento, CA; San Diego CA	Columbus, OH	Columbia, MO Sacramento, CA
Internal: Policy, plans, manuals	TN, IL, CA, AZ, KY, VA, PA, <i>ID</i>		Cleveland, OH Bay Area, CA Knoxville, TN St. Joseph, MO St. Petersburg, FL	Boulder, CO Santa Barbara, CA San Diego, CA Ft. Collins, CO W. Palm Beach, FL Charlotte, NC

# Creating complete streets

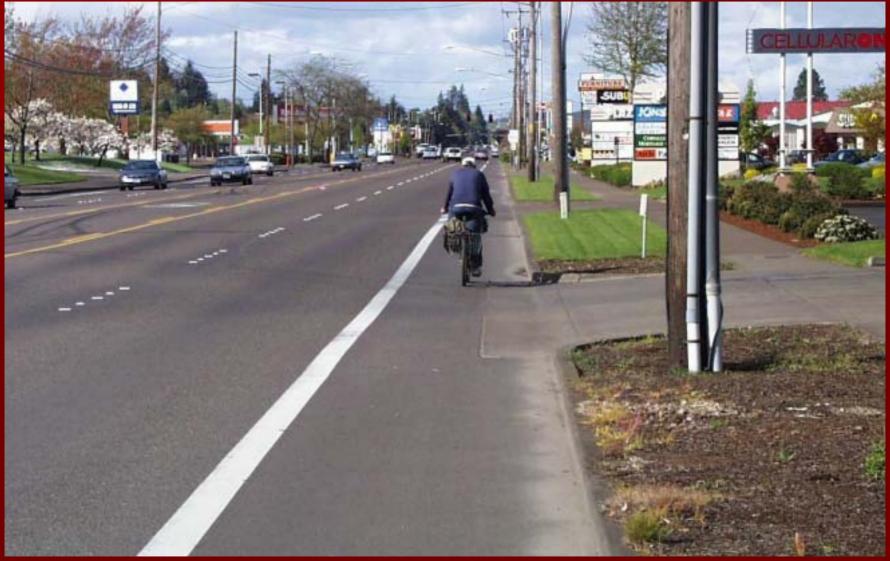


# Complete Streets and Safety

#### FHWA review of safety literature found:

- Sidewalks
- Raised medians
- Better bus stop placement
- Traffic calming
- Treatments for disabled travelers
- All improve pedestrian safety.

#### The many types of Complete Streets



A commercial arterial w bike lanes & sidewalks

#### The many types of Complete Streets



A quiet residential street

#### The many types of Complete Streets



A street school children can safely cross

## Completing the Streets



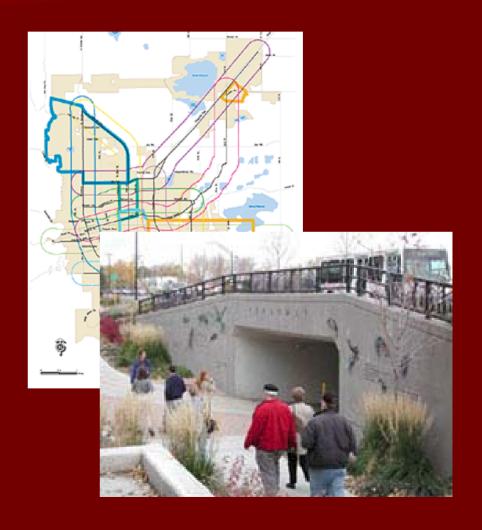
### Completing the Streets: Local Action

67 % of Santa
Barbara's (CA)
arterials have bike
lanes or paved
shoulders



### Completing the Streets: Local Action

Boulder, Colorado is building all arterials as multi-modal corridors for auto, pedestrian, bicycle, and transit.



# Completing the Streets: some new campaigns

- Illinois
- Washington
- Colorado

- ■St. Louis, MO
- Chicago
- ■Roswell, GA

# Harkin Complete Streets Amendment

 $^{2}$ 

"(A) In general.—Each State transportation department shall adopt a statement of 3 policy ensuring that the needs and safety of all 4 road users (including the need for pedestrian 5 and bicycle safety) are fully integrated into the 6 planning, design, operation and maintenance of the transportation system of the State transpor-8 tation department.

# Harkin Complete Streets Amendment

May 11: Came up short in floor vote, 53 to 44

■ First time ever debated in Congress

Now part of Senator Harkins' "HeLP America Act"

# National Complete the Streets Steering Committee

- AARP
- America Bikes
- America Walks
- American Society of Landscape Architects
- American Planning Association
- Institute of Transportation Engineers
- League of American Bicyclists
- National Parks Conservation Association
- Smart Growth America
- Surface Transportation Policy Project
- Thunderhead Alliance
- US Access Board

# National complete streets steering committee

- Federal policy in TEA-3 & model policy
- Conference presentations
- Web portal: <u>www.completethestreets.net</u>
- Connect with advocacy campaigns



#### For More Information

Thunderhead Alliance www.thunderheadalliance.org

America Bikes <a href="https://www.americabikes.org">www.americabikes.org</a>

Coming soon! <a href="https://www.completethestreets.net">www.completethestreets.net</a>

