




Traffic Calming, Narrow Streets and Their Effects on Emergency Response

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Denver, Colorado
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Local Government Commission




- Nonprofit membership organization based in Sacramento, CA of local government officials – elected and staff
- Founded in 1979 to work on solar energy
- During 1980s expanded to work on cutting edge issues faced by local government: pollution prevention, waste management, hazardous waste
- 1991: Started working on land use/transportation issues with the Ahwahnee Principles for More Livable Communities



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The Ahwahnee Principles, 1991

- Planning complete and integrated communities with mix of uses
- Different uses should be in walking distance of one another
- Within walking distance of transit stops
- Should contain a diversity of housing types
- Should have a center focus

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The Ahwahnee Principles for More Livable Communities

- Embraced by local government officials in California and other states
- LGC initiated programs on land use and transportation planning
- 1993 created Center for Livable Communities
- Over 120 cities and counties in California adopted all or part into their planning documents



Traffic Calming Publications

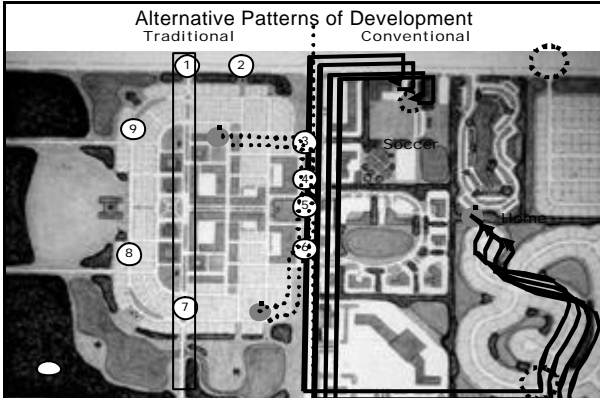
Street Design Guidelines for Healthy Neighborhoods
by Dan Burden
Local Government Commission
January 1999

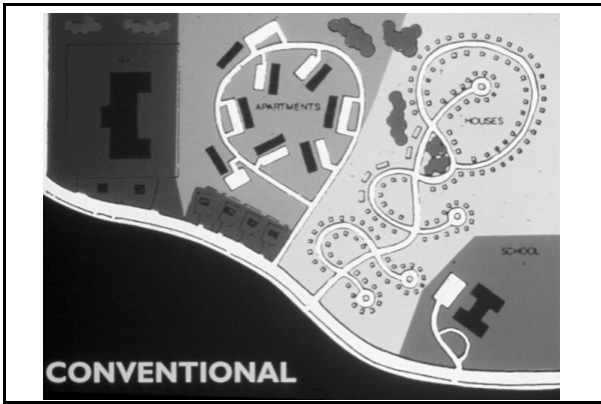
Streets and Sidewalks, People and Cars
THE CITIZEN'S GUIDE TO TRAFFIC CALMING
by Dan Burden
Local Government Commission
Center for Livable Communities

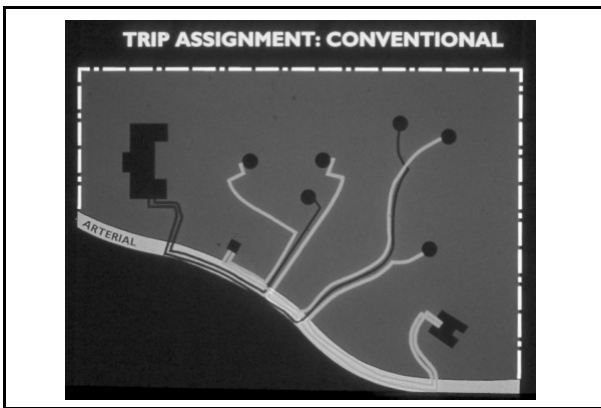
Emergency Response
TRAFFIC CALMING AND TRADITIONAL NEIGHBORHOOD STREETS

Authored by:
Dan Burden
Walkable Communities

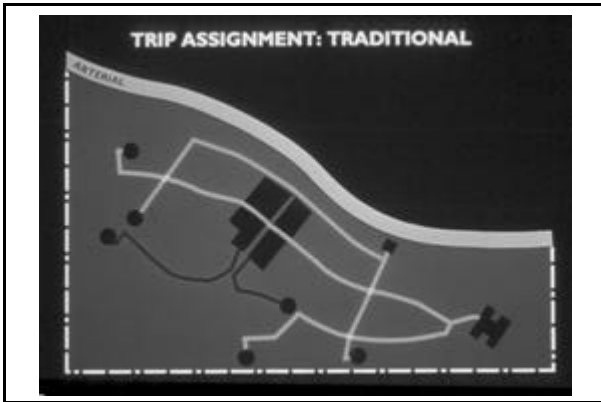
Alternative Patterns of Development

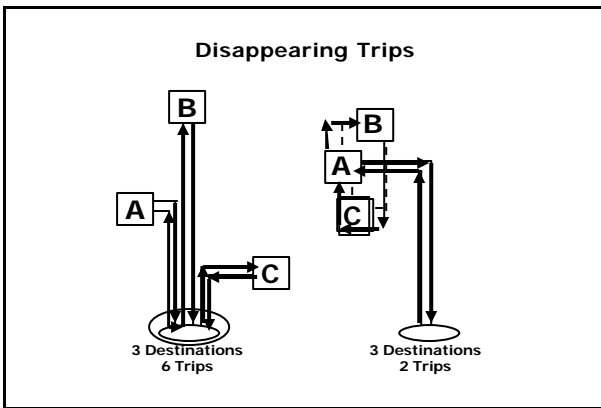














Neotraditional Neighborhoods

The Crossings Mountain View, CA
Street, Sidewalk



What urban design concept brings about the following:



a.. Reduce taxes by concentrating public services such as water, sewer, roads, and police and fire service over a smaller area.

What urban design concept brings about the following:



b.. Reduce traffic and commuting time by allowing more people to walk, bike or take transit to work and other destinations.

What urban design concept brings about the following:



d.. Fight smog, protect clean water and preserve parks and natural areas.



What urban design concept brings about the following:



e.. Make communities safer by creating housing that allows fire fighters, nurses, teachers, technicians and police officers to live where they work.



What urban design concept brings about the following:



f.. Improve quality of life, diversity of shopping, entertainment, sports and more by creating pedestrian-friendly streets packed with people many hours a day.



What urban design concept brings about the following:



g.. Increase active living, active transportation, association



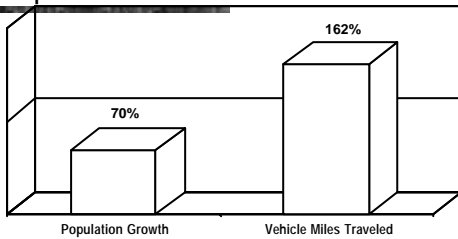
What urban design concept brings about the following:

Answer:

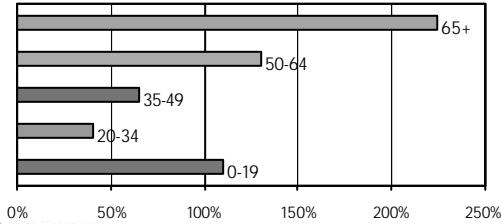
Compact, connected, mixed use development



California Population Growth and Transportation – 1970-2000



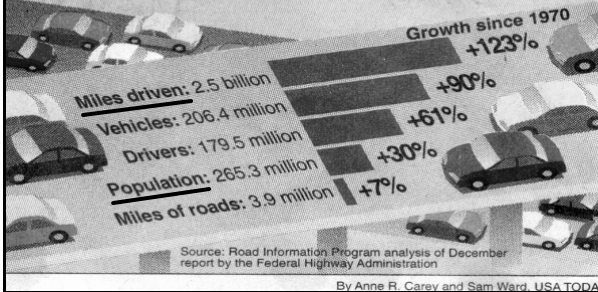
Demographic Changes
California Population Change by Age Group — 1990-2040



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Why roads are crowded

From 1970 to 1996, the mileage people drive has grown four times as fast as the population, twice as fast as licensed drivers and 18 times as fast as new roads:





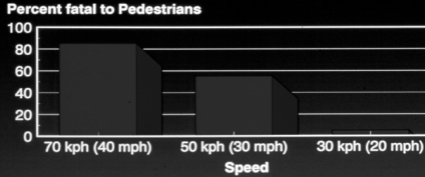
Healthy streets respond to the leading cause

of injuries occurring in neighborhoods (traffic).

Traffic crashes are the personal injury risk calling for emergency response.

TRAFFIC CALMING

FATALITIES BY SPEED

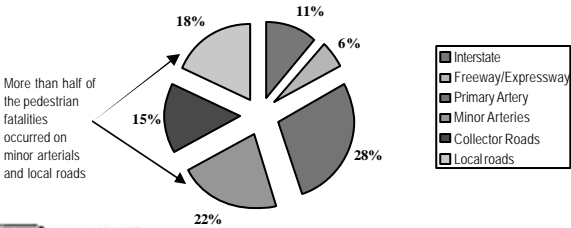


There is compelling evidence that speeds inside should not exceed 30 KPH (20 mph)

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Safety and Community Design

Pedestrian Fatalities



More than half of the pedestrian fatalities occurred on minor arterials and local roads

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