



Smart Growth 101: Making the Connections

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Associate Director
Local Government Commission

New Partners for Smart Growth Conference

Baltimore, MD
January 28, 2015

Local Government Commission

We are a nonprofit organization that fosters innovation in local environmental sustainability, economic prosperity and social equity.



What we do...

The **LGC** helps transform communities through *inspiration*, *practical assistance* and a *network* of visionary local elected officials and other community leaders.

How we do it...

- ✓ Workshops and Trainings
- ✓ Participatory Planning and Design Work
- ✓ Policy Development Assistance
- ✓ Tours of Model Projects
- ✓ Networking Events
- ✓ Conferences



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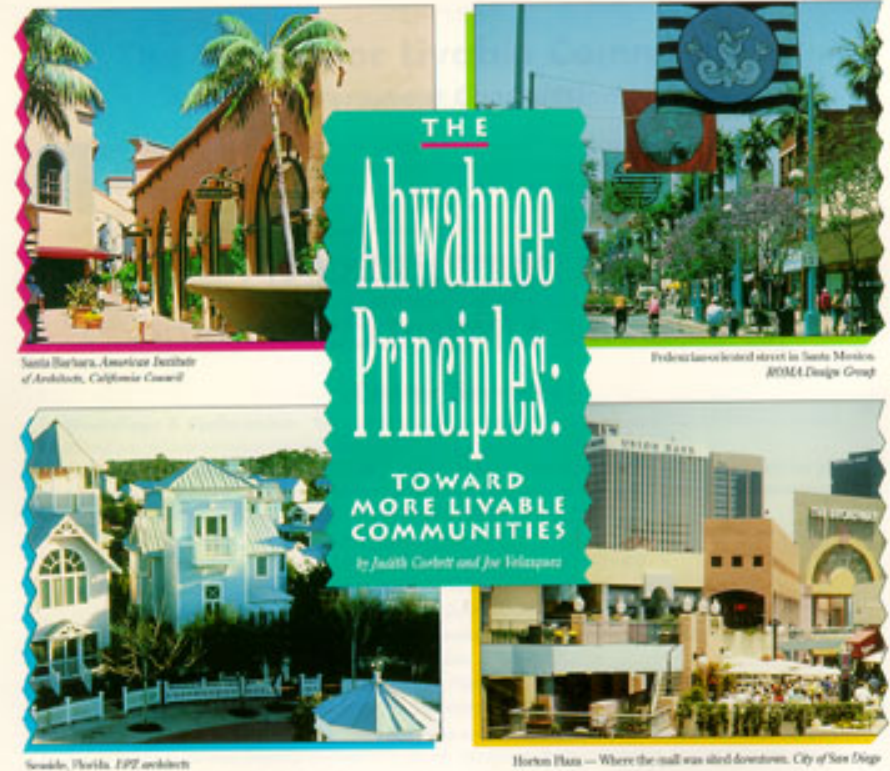
The Ahwahnee Principles, 1991

- Response to our members' concerns over sprawling, poorly planned development in their communities
- Assembled with assistance from leading architects and planners working on innovative solutions



The Ahwahnee Principles, 1991

- Revitalize existing parts of our communities through infill development
- Plan complete and integrated communities with mix of uses
 - Within walking distance of one another
 - Within walking distance of transit stops
 - With a diversity of housing types
 - With a center focus



Cities everywhere are facing similar problems – increasing traffic congestion and worsening air pollution, the continuing loss of open space, the need for costly improvements to road and public services, the inequitable distribution of economic resources, and the loss of a sense of community. The problems seem overwhelming and we suffer from their consequences every day. City character is blurred until every place becomes like every other place, and all adding up to No Place.

Many of our social, economic and environmental problems can be traced to land use practices adopted since World War II. In the late 1940s we began to adopt a notion that life would be better and we would all have more freedom if we planned and built our communities around the automobile. Gradually, rather than increasing our freedom, auto-oriented land use planning has reduced our options. Now, it takes much more time than it used to carry out our daily activities. We must go everywhere by car – there is no other option. We must take a car to the store for a gallon of milk, drive the children to Little League practice, even spend part of the lunch hour driving to a place to eat. And as roads become increasingly clogged and services farther from our home, we spend our time as anonymous individuals waiting for the traffic light to change rather than chatting with friends at the corner store or playing ball on the lawn with the neighborhood kids.

LEAGUE OF CALIFORNIA CITIES



What is the Purpose of Towns and Cities?



Cities are an invention to maximize exchange (goods, culture, friendship, knowledge) and to minimize travel.

The role of transport is to maximize exchange.



How have we built our urban roadway system?



To facilitate travel over longer distances



Local Government Commission

www.lgc.org



A person in a red shirt standing on the median strip, circled in orange.

93 NORTH
LEFT LANE

Hardee's

Chevron

FAIRWAY

PUB
LIQUOR
STORE

Coca-Cola

CHEM

Holiday
Village

WESTERN
FEDERAL

LAW OFFICE





Will 23 lanes be enough?

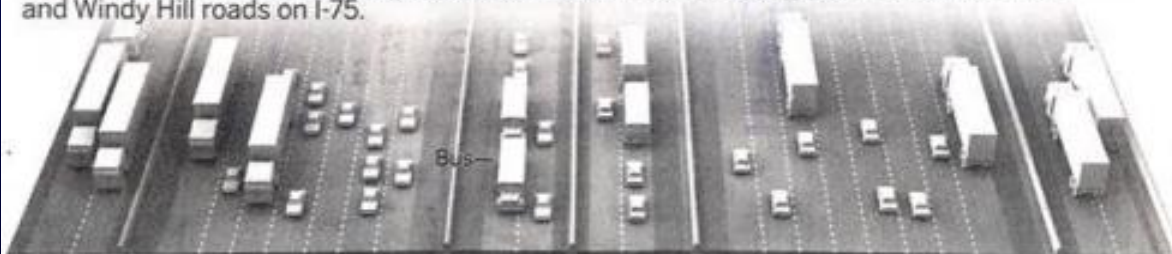
Proposal would put I-75 among country's biggest

By ARIEL HART
ahart@ajc.com

It's wider than an aircraft carrier. Far wider than the carving on Stone Mountain. Wider than the White House stretched end to end, twice.

It's the planned I-75, all 23 lanes, coming soon to Cobb County. As currently conceived it's 388 feet across, wider than a football field is long.

23 LANES: The state Department of Transportation is planning to expand I-75 (below) and I-575 in Cobb and Cherokee counties. The 23-lane stretch would be between Delk and Windy Hill roads on I-75.



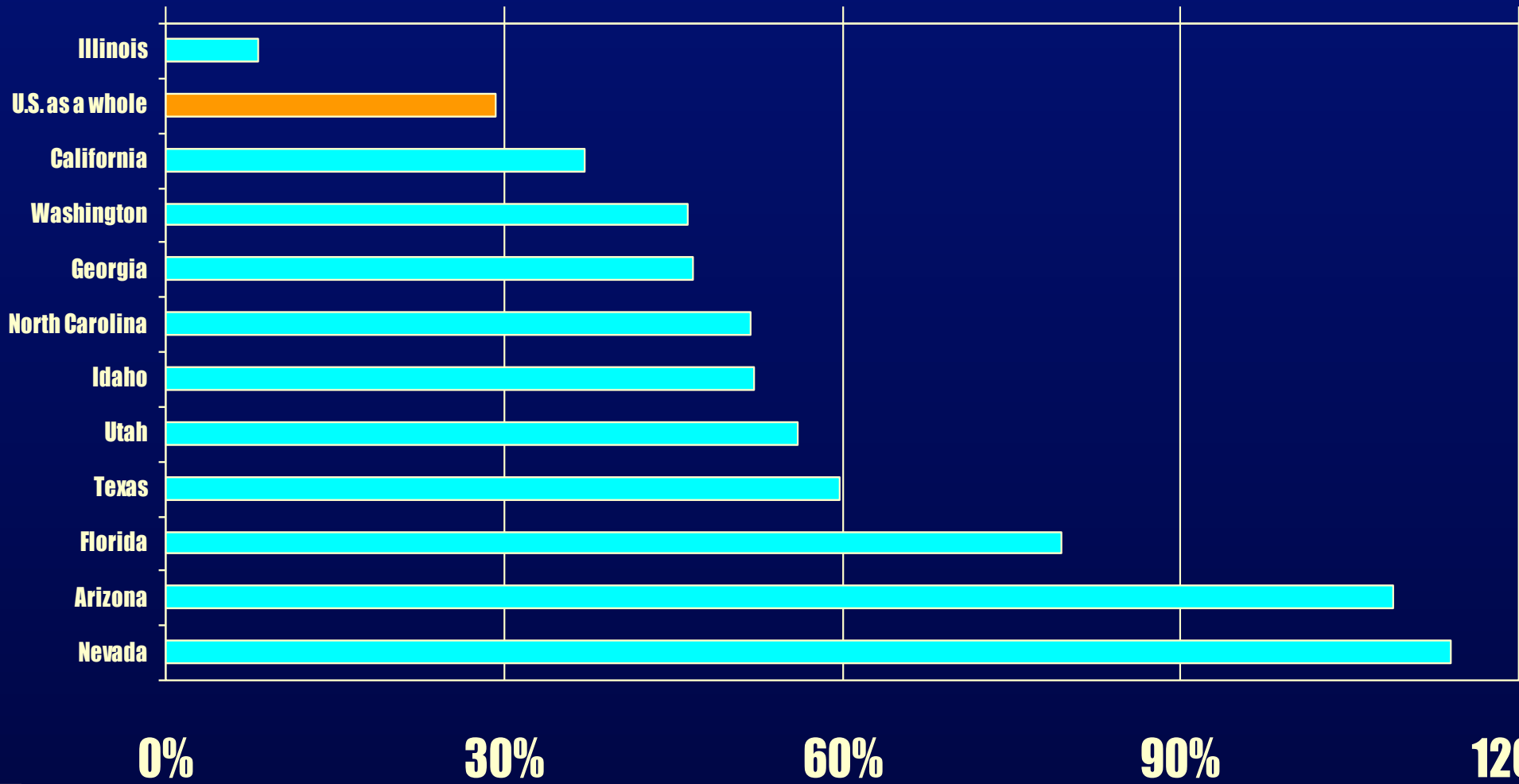
Truck lanes	General purpose lanes		HOV lanes	General purpose lanes		Truck lanes
	Southbound		Northbound			

Trucks pay toll. Car/van pools and buses ride for free. Single-occupant vehicles must pay. Cost rises when traffic is heavier.



Traffic heads north on I-75, just north of I-285, on Thursday. A proposal for the interstate is enough to make a road builder weep with joy, and make others wonder whether it's overkill. LOUIE FAVORITE / Staff

Projected Population Growth Rates in the U.S. (2000-2030)



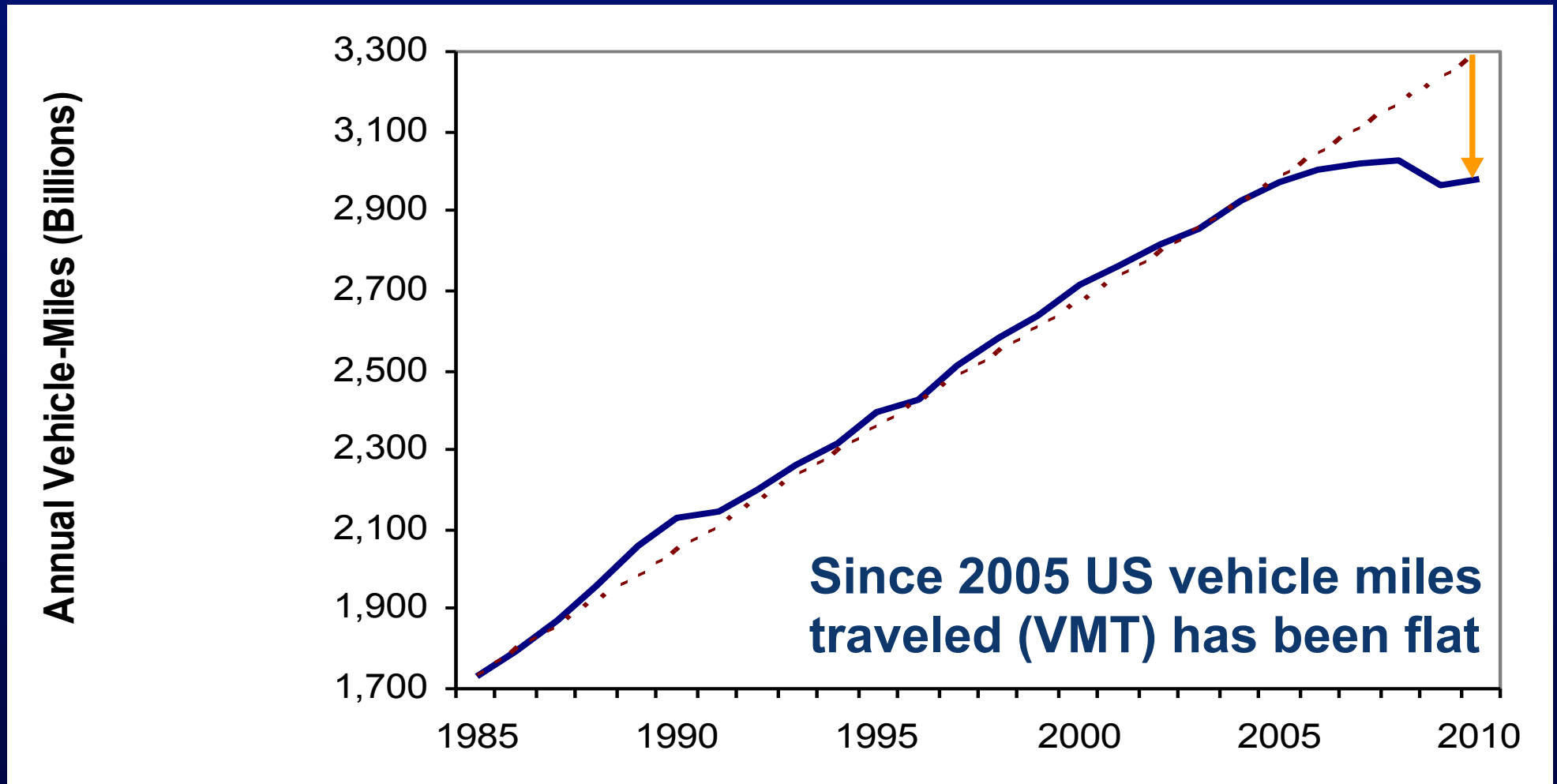
Source: U.S. Dept. of Commerce, Census Bureau

www.lgc.org



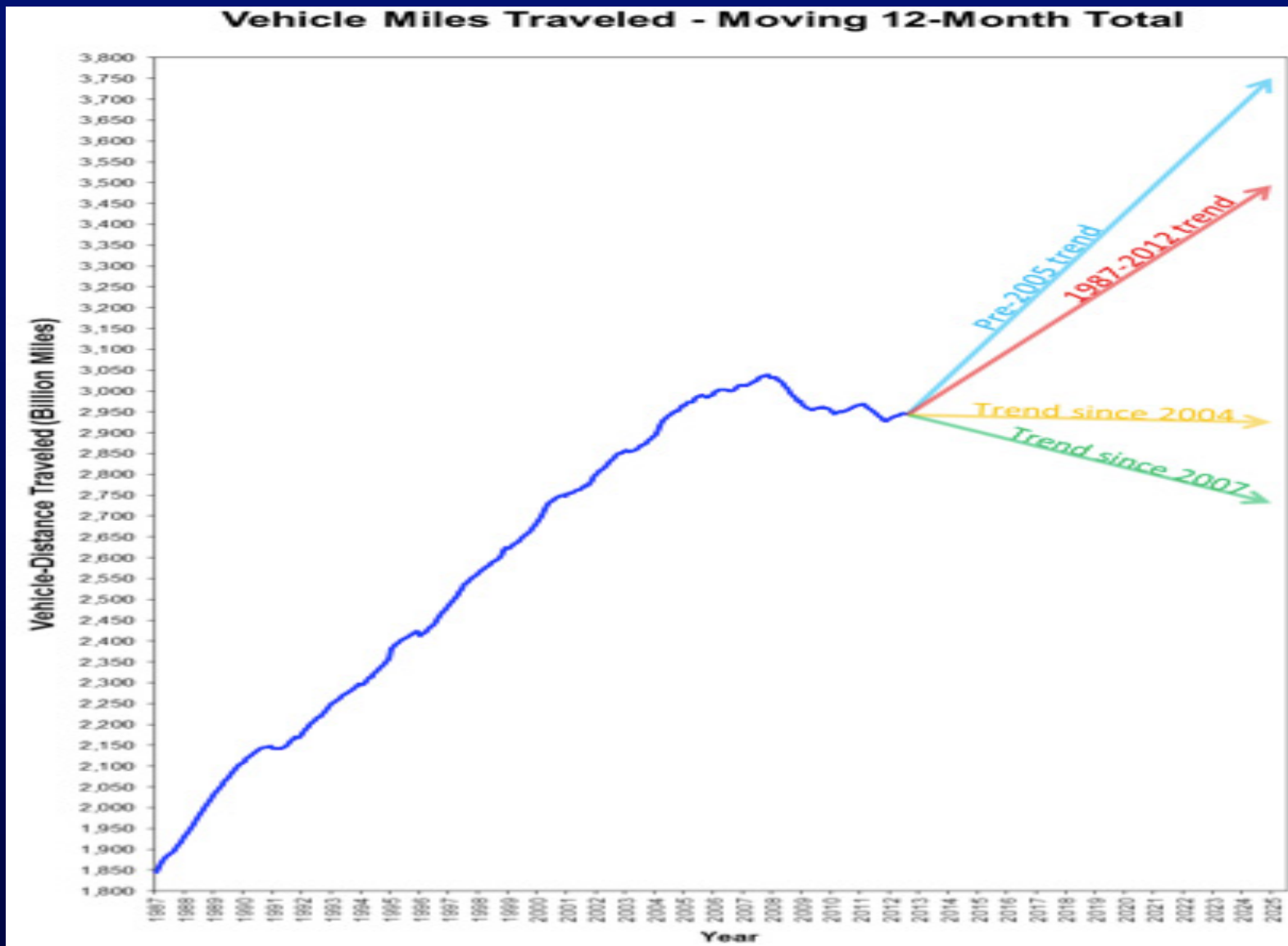
Local Government Commission

Will traffic volumes always increase? Maybe not



Since 2005 US Vehicle Miles Traveled (VMT) has been flat

Future VMT trends are unknown



Source: Phineas Baxandall, U.S. PIRG

Smart Growth/Livable Communities

■ Common Themes

- Efficient use of land
 - Fill in older parts of communities before spreading out
 - Build new communities in more compact way
- Mix of uses
 - Mix commercial and retail uses with residential
 - Support/create town and neighborhood centers
 - More destinations in walking/bicycling distance
- Support walking, bicycling and transit use
- Create strong local and regional economies
- Involve residents in planning process



Economic Benefits of Smart Growth

“Just as companies now compete on quality, communities will too.”

— Collaborative Economics,
Linking the New Economy to the Livable Community

“Livability isn’t some middle class luxury. It is an economic imperative.”

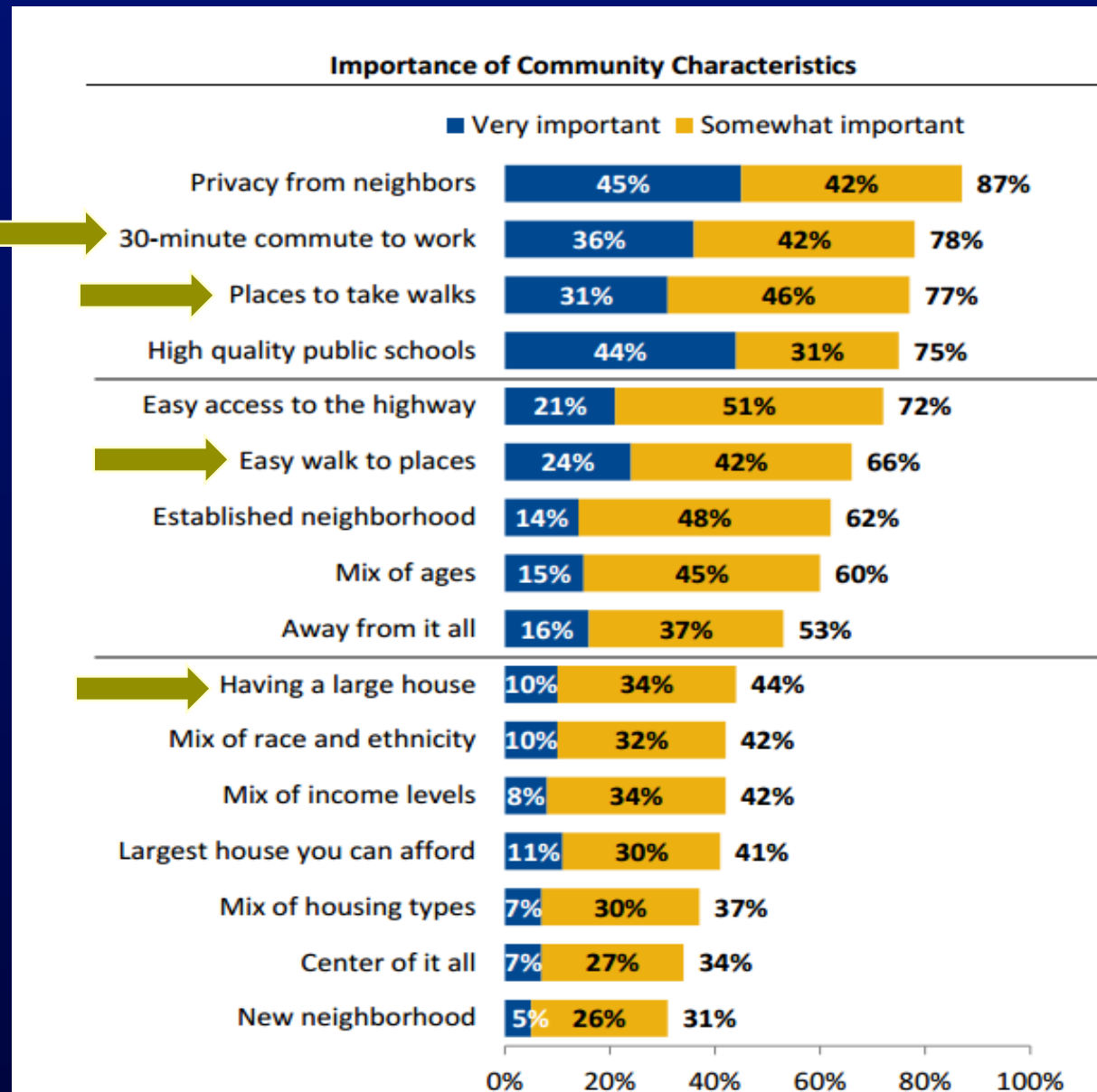
— Robert Solow, Nobel Prize-winning Economist



Economic Benefits: Property Values

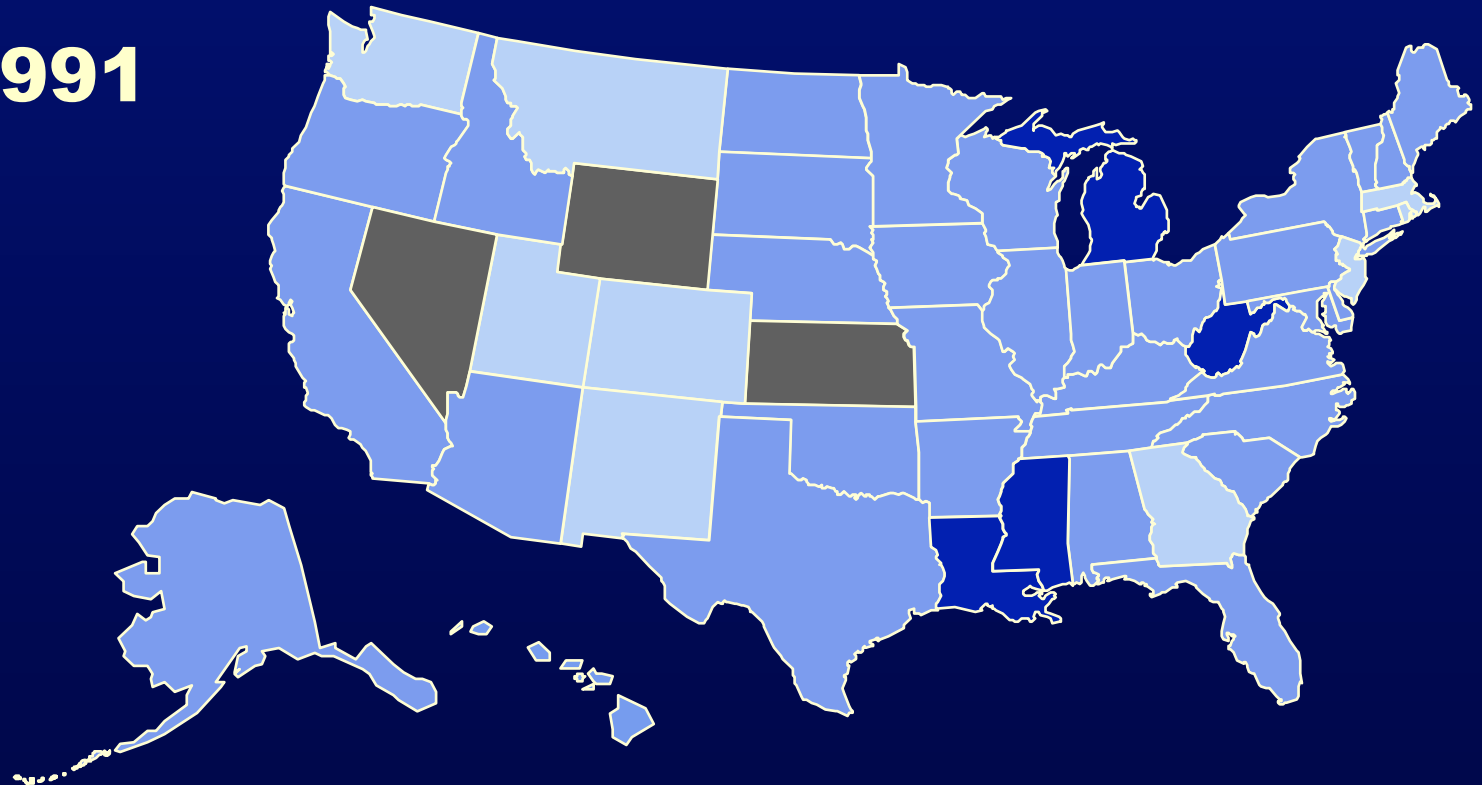
- 78%: 30-minute commute to work
- 77%: Places to take walks (sidewalks, parks, trails)
- 66%: Easy walk to places (schools, stores, restaurants)
- 44%: Having a large house

Source: "Community Preferences Survey" by National Association of Realtors, 2011



Obesity* Trends Among U.S. Adults

1991



* BMI \geq 30, or
~ 30 lbs
overweight for
5' 4" woman

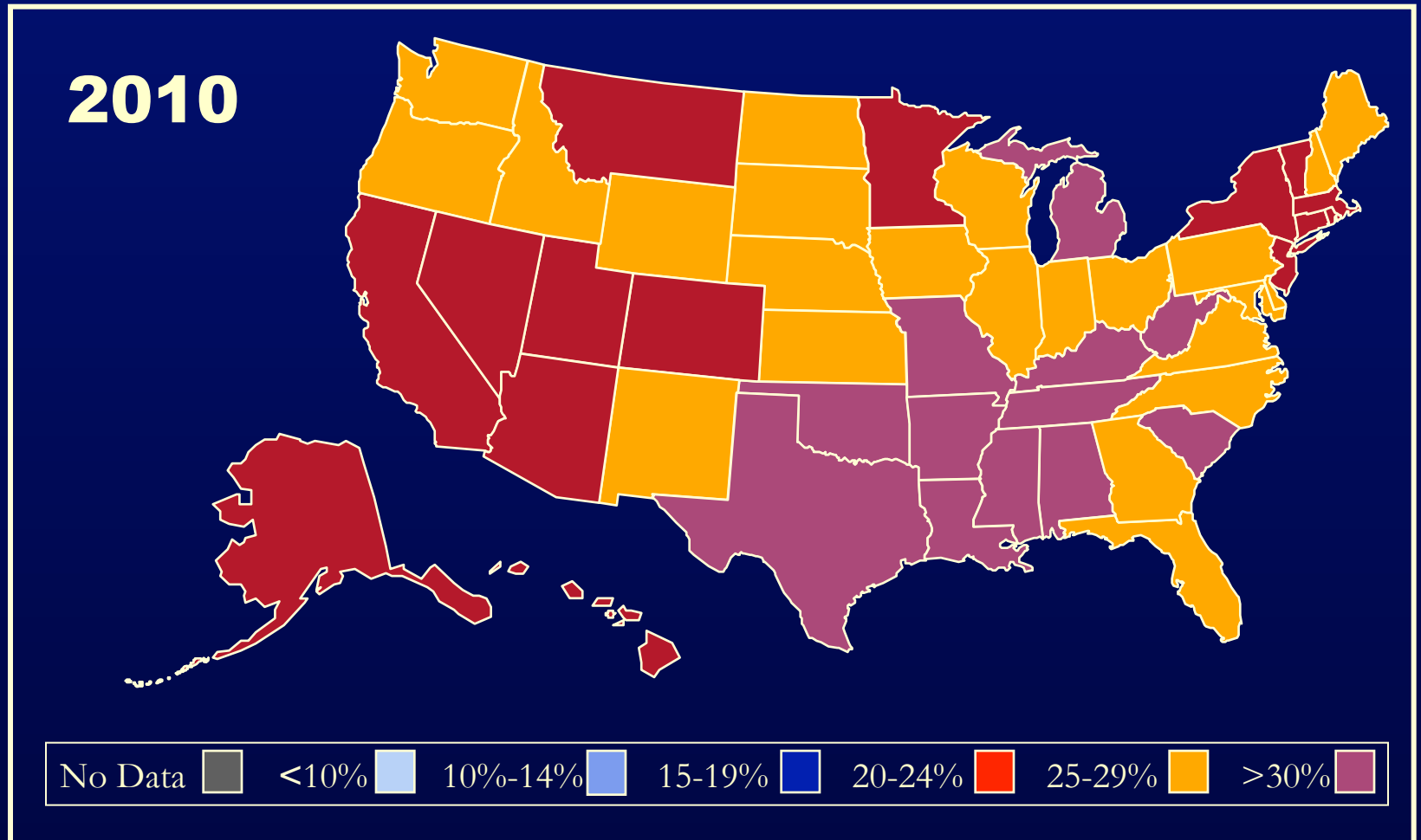


Source: Behavioral Risk Factor Surveillance System, CDC
Source: Mokdad A H, et al. JAMA 2003;289:1

Obesity* Trends Among U.S. Adults

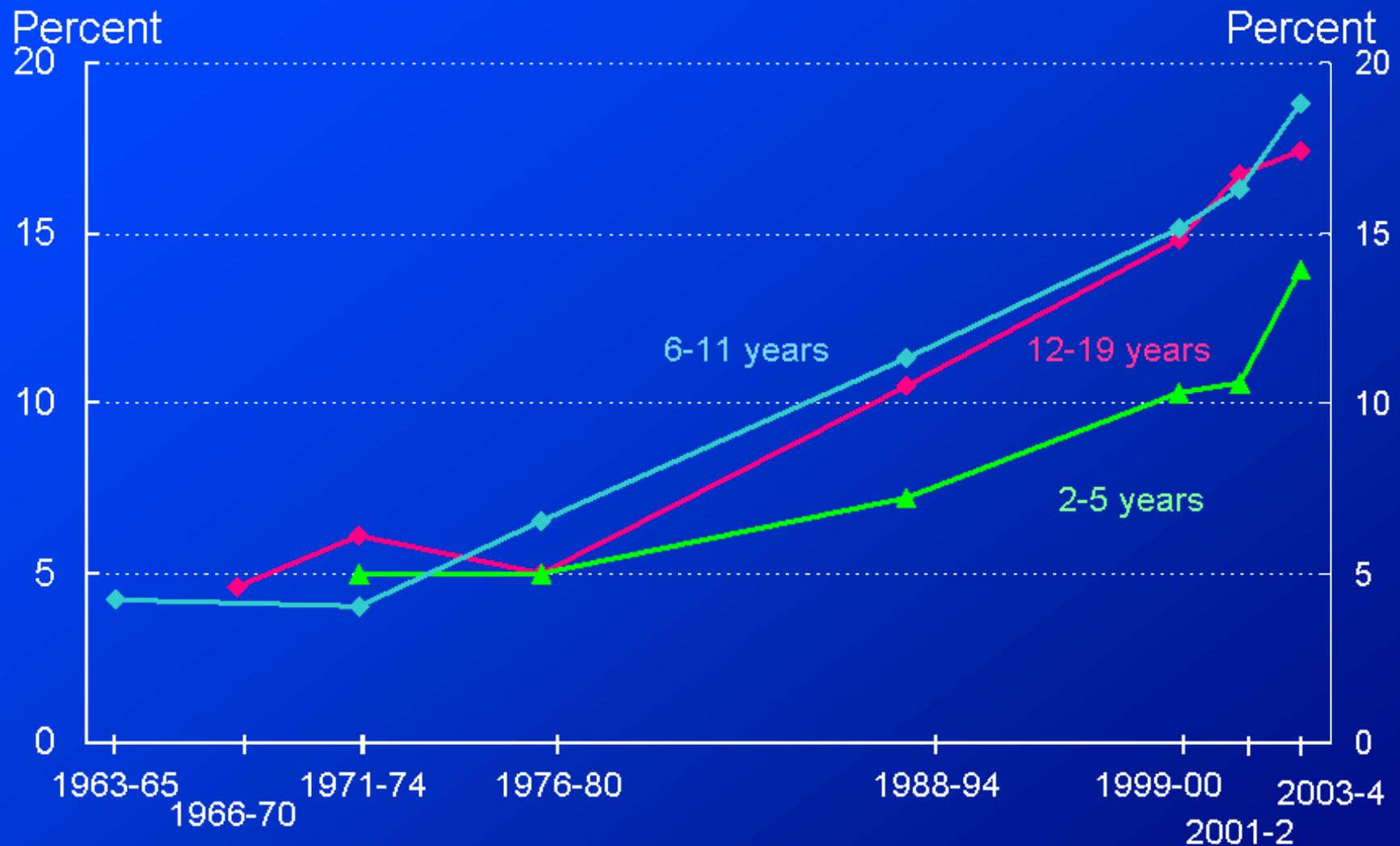
Counties with obesity levels over 30% in 2008 included: Merced, San Joaquin, Stanislaus, Tulare and Yuba

* BMI \geq 30, or ~ 30 lbs overweight for 5' 4" woman



Source: Behavioral Risk Factor Surveillance System, CDC
Source: Mokdad A H, et al. JAMA 2003;289:1

Trends in Child and Adolescent Overweight



Note: Overweight is defined as BMI \geq gender- and weight-specific 95th percentile from the 2000 CDC Growth Charts.
Source: National Health Examination Surveys II (ages 6-11) and III (ages 12-17), National Health and Nutrition Examination Surveys I, II, III and 1999-2004, NCHS, CDC.

**TAX CUT
SMACKDOWN**

**SAINTLY
POPE**

**BEHIND
CNBC**

DIABETE

It Strikes 16 Million Americans

Are You at Risk?

Computer drawing of a human insulin molecule

SOCIETY

An American Epidemic

Diabetes

The silent killer: Scientific research shows a 'persistent explosion' of cases—especially among those in their prime

BY JERRY ADLER AND CLAUDIA KALB

SOMETHING TERRIBLE WAS HAPPENING TO YOLANDA BENITEZ'S eyes. They were being poisoned; the fragile capillaries of the retina attacked from within and were leaking blood. The first symptoms were red lines, appearing vertically across her field of vision; the lines multiplied and merged into a haze that shut out light entirely. "Her blood vessels inside her eye were popping," says her daughter, Jannette Roman, a Chicago college student. Benitez, who was in her late 40s when the problem began four years ago, was a cleaning woman, but she's had to stop working. After five surgeries, she has regained vision in one eye, but the other is completely useless. A few weeks ago, awakening one night in a hotel bedroom, she walked into a door, setting off a paroxysm of pain and nausea that hasn't let up yet. And what caused this catastrophe was nothing as exotic as pesticides or emerging viruses. What was poisoning Benitez was sugar.

Diabetes prevalence, by age

Age Group	1990 Prevalence (%)	1998 Prevalence (%)
18-29	~1.5	~2.5
30-39	~2.5	~4.5
40-49	~4.5	~7.5
50-59	~7.5	~11.5
60-69	~11.5	~16.5
70+	~16.5	~21.5

Source: National Center for Health Statistics, CDC, Behavioral Risk Factor Surveillance System



Heredity

Genes help determine whether you'll get diabetes. In many families, multiple generations are struck. But heredity is not destiny—especially if you eat well and exercise.

FAMILY PLAZA: Benitez (left) and Roman. Benitez's mother and two brothers died from complications of the disease.

Diabetes Projected Risks: For Babies Born in 2000

- Girls: 38% lifetime risk
 - Latino girls: 53%
 - African-American girls: 49%
 - If diabetic before age 40, Lifespan shortened by 14 years (Quality of life by 19 years)
- Boys: 33% lifetime risk
 - Latino boys: 45%
 - African-American boys: 40%
 - If diabetic before age 40, Lifespan shortened by 12 years. (Quality of life by 22 years)

CDC: Diabetes to afflict 1 in 3 born in 2000

Scientist says
kids must
eat healthier,
exercise more

By JANET McCONNAUGHEY
Associated Press

New Orleans — One in three U.S. children born in 2000 will become diabetic unless many more people start eating less and exercising more, a scientist with the Centers for Disease Control and Prevention warned Saturday.

The odds are worse for African-American and Latino children: Nearly half of them are likely to develop the disease, said Dr. K.M. Venkat Narayan, a diabetes epidemiologist at the CDC.

"I think the fact that the diabetes epidemic has been raging has been well-known to us for several years. But looking at the risk in these terms was very shocking to us," Narayan said.

The 33 percent lifetime risk is about triple the American Diabetes Association's current estimate.

by 2050, to 29 million, an earlier CDC study by Narayan and others found.

"These estimates I am giving you now are probably quite conservative," Narayan said in an interview before the diabetes association's annual scientific meeting here.

Narayan said it would be difficult to say whether undiagnosed cases would rise at the same rate.

If they did, that could push the 2050 figure to 40 million or more.

Doctors had known for some time that Type 2 diabetes — what used to be called adult-onset diabetes because it typically showed up in middle-aged people — is on the rise, and that patients are getting younger.

Nobody else had crunched the numbers to look at current odds of getting the disease, Narayan said.

Overall, he said, 39 percent of the girls who now are healthy 2½- to 3-year-olds and 33 percent of the boys are likely to develop diabetes, he said.

For Latino children, the odds are closer to one in two: 53 percent of the girls and 45 percent of the boys. The numbers are about 49 percent and 40 percent for African-American girls

What Smart Growth “Is” And “Is Not”

**More transportation choices
and less traffic**

**Not against cars and
roads**

**Vibrant cities, suburbs
and towns**

Not anti-suburban

**Wider variety of housing
choices**

**Not about telling people
where or how to live**

**Well-planned growth that
improves quality of life**

Not against growth



Principles of Smart Growth/ Livable Communities

Ten Principles of Smart Growth

1. Preserve Open Space, Farmland, Natural Beauty and Critical Environmental Areas
2. Strengthen and Direct Development Towards Existing Communities
3. Take Advantage of Compact Building Design
4. Mix Land Uses
5. Create Range of Housing Opportunities and Choices
6. Provide a Variety of Transportation Choices
7. Create Walkable Neighborhoods
8. Foster Distinctive, Attractive Communities with a Strong Sense of Place
9. Encourage Community and Stakeholder Collaboration
10. Make Development Decisions Predictable, Fair and Cost Effective

1. Preserve open space, farmland, and critical environmental areas

- Identify areas with highest priority for preservation
- Use a variety of preservation tools, including purchase, regulatory, and incentive programs



Sprawl in the Atlanta Region

- 1973-1992 forest land was reduced by 15 percent and grassland and cropland by about 6 percent
- The Georgia Conservancy estimates that 27 acres of tree cover are lost in the region every day
- Without transit-supportive and higher-density land use patterns, the Conservancy estimates that 200,000 acres of tree cover will be lost by 2020



Charlottesville: Welcome to the big city

By Maurice Tamman
mtamman@ajc.com

Charlotte — Over the past 40 years, satellite lenses have clicked away, 450 miles high, capturing the nation's night lights.

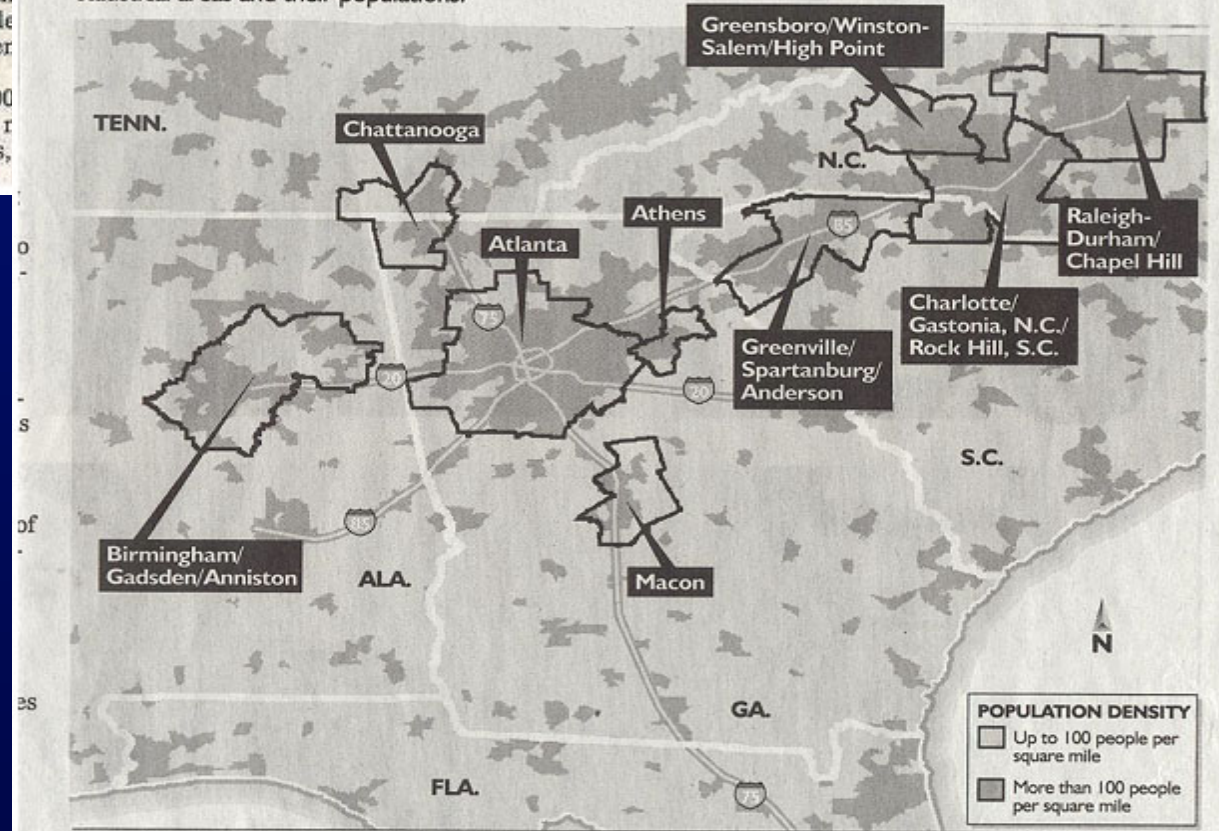
In the 1970s, those lenses detected only a few blips from Georgia, Alabama, Tennessee, and the Carolinas. Today, the region glows like a wheel-shaped constellation, with Atlanta at its hub.

During that time, metropolitan areas have grown from 1.39 million people in five counties to 4.11 million in 20 counties; it pushes out 20, 75 and 85 toward Birmingham, Chattanooga, Macon, Greenville, Charlotte. All the while, the markets boomed, extending toward Atlanta.

According to the 2000 Census, 10 million people live in the Piedmont megalopolis,

PIEDMONT MEGALOPOLIS

Atlanta is the hub of what has been called the Piedmont megalopolis, stretching along I-20, I-75 and I-85 from Birmingham to Greenville, S.C., Charlotte and even Raleigh and from Chattanooga to Macon. This shows how the areas are growing together as people move to areas along the interstates. A look at those metropolitan statistical areas and their populations:

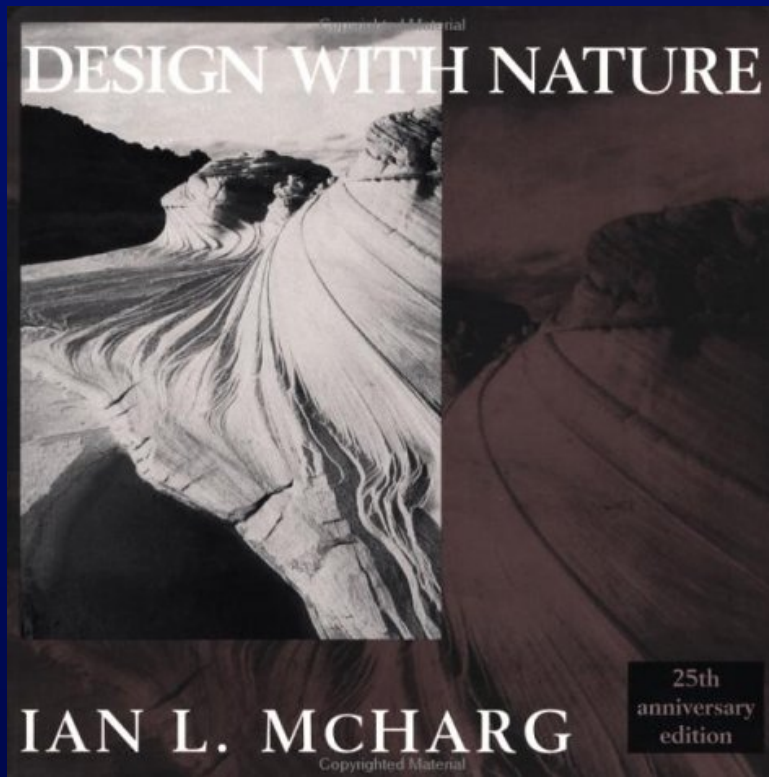


Source: Analysis of U.S. Census Bureau data by DAVID A. MILLIRON and MAURICE TAMMAN / Staff

CHUCK BLEVINS / Staff

Atlanta Journal-Constitution,
April 15, 2001

Analyze where you can accommodate future growth



Mapping Method
Developed by Ian McHarg

Geology



Hydrology



Slope



Soils

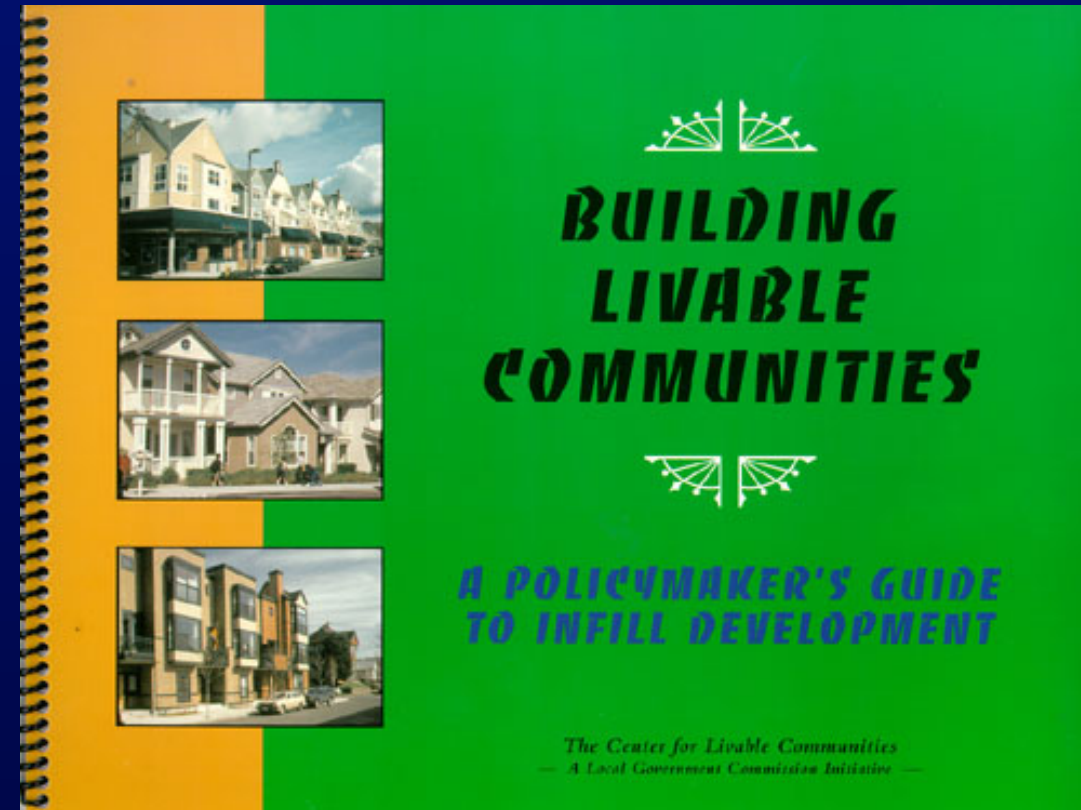


Woodland

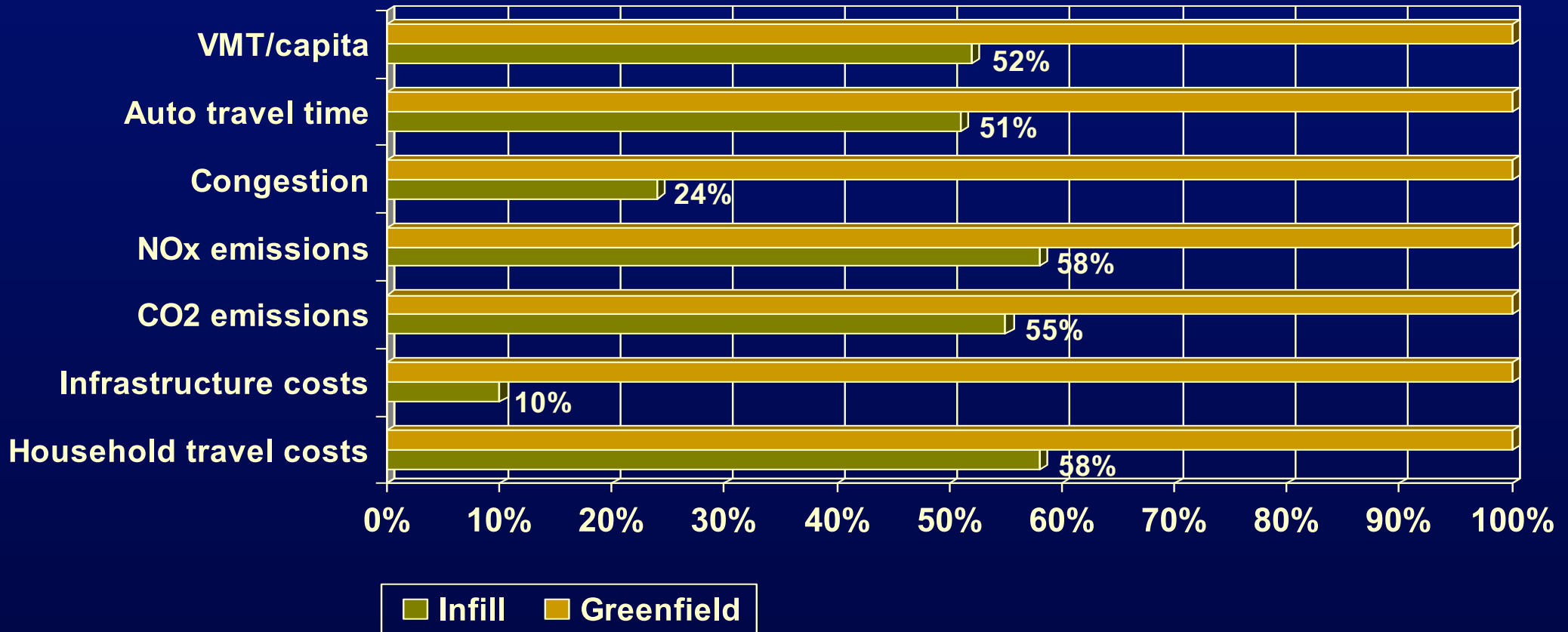


2. Strengthen, and direct development towards, existing communities

- Use incentives to achieve clean-up and re-use of “brownfield” and “grayfield” sites
- Preserve and repair historic buildings as part of redevelopment plans
- Build on the resources and amenities of existing communities



Impacts of Infill vs. Greenfield Development in the San Diego Region



Source: Study by Criterion Planners/Engineers for U.S. Environmental Protection Agency, 1998

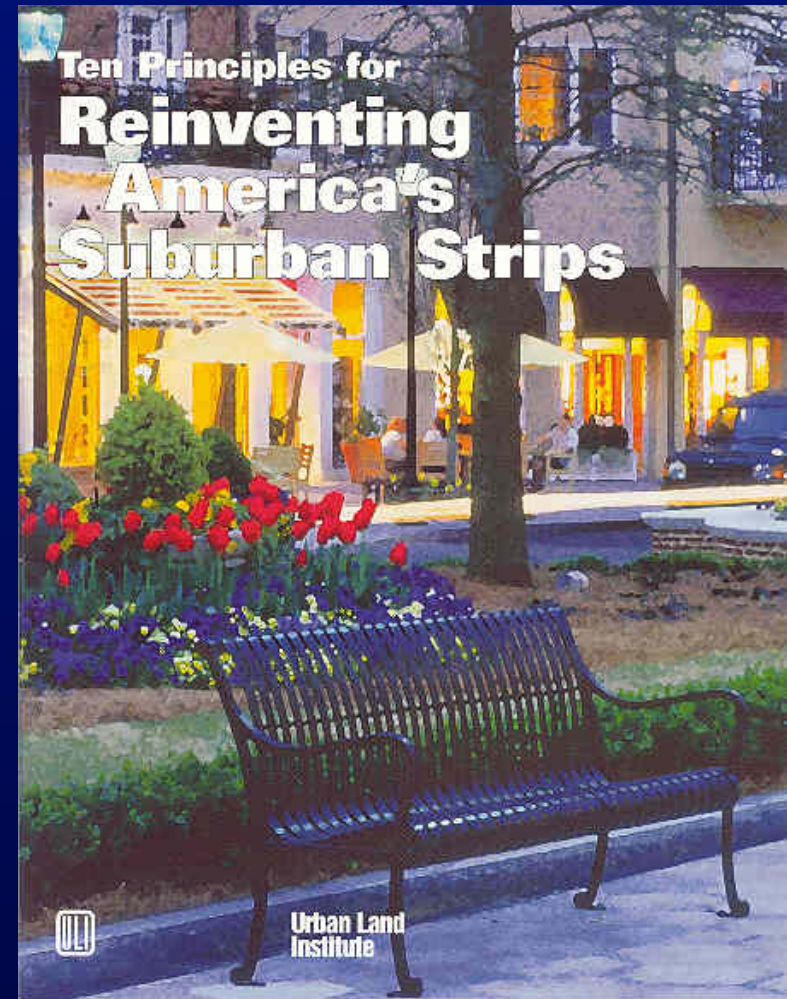
Potential benefits of infill

- Revitalize town centers, neighborhoods
- Provide more housing options
- Support transit service
- More efficient use of land
- Reduced costs for infrastructure/services
- Preserve agriculture
- Conserve open space



Commercial Strips — The Next Frontier

- ULI's Principles to Reinvent Suburban Strips
 - Ignite Leadership/Nurture Partnership
 - Anticipate Evolution
 - Know The Market
 - Prune Back Retail-Zoned Land
 - Establish Pulse Nodes of Development
 - Tame the Traffic
 - Create the Place
 - Diversify the Character
 - Eradicate the Ugliness
 - Put Your Money (and Regulations) Where Your Policy Is



3. Take advantage of compact building design

- Grow vertically rather than horizontally to preserve green spaces and reduce cost of providing public facilities and services



What do downtown Florence, a freeway interchange and a big box store have in common?





OLD WALLED
CITY EDGE

ARNO

RIVER

150

150

151



Goleta - Costco Shopping Center



Central Mexico Shopping

Lower Cost of Infrastructure

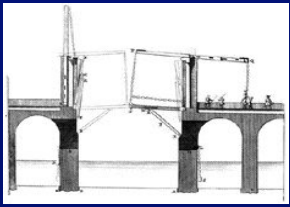
Low Density vs. Compact Development

Land Consumption	45% more*
Cost for Roads	25% more**
Cost for Utilities	15% more**
Cost for Schools	5% more**
Other Costs	2% more**

*Duncan, James et al, *The Search for Efficient Urban Growth Patterns*. Florida Department of Community Affairs, 1989.

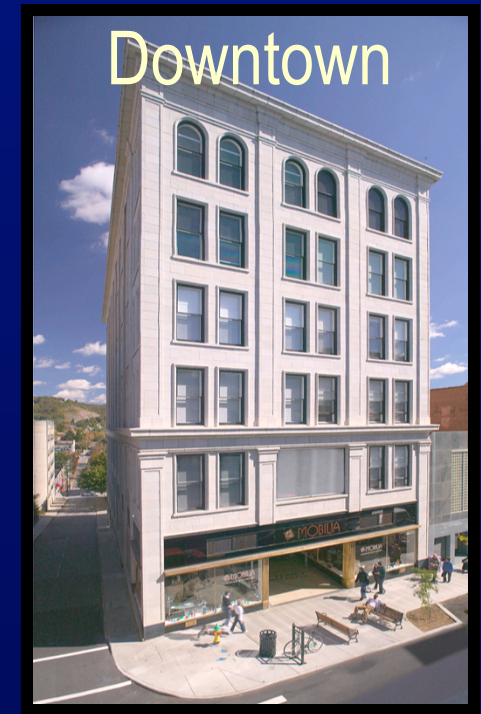
**Burchell, Robert, *Economic and Fiscal Impacts of Alternative Land Use Patterns*, Rutgers University, 1996.





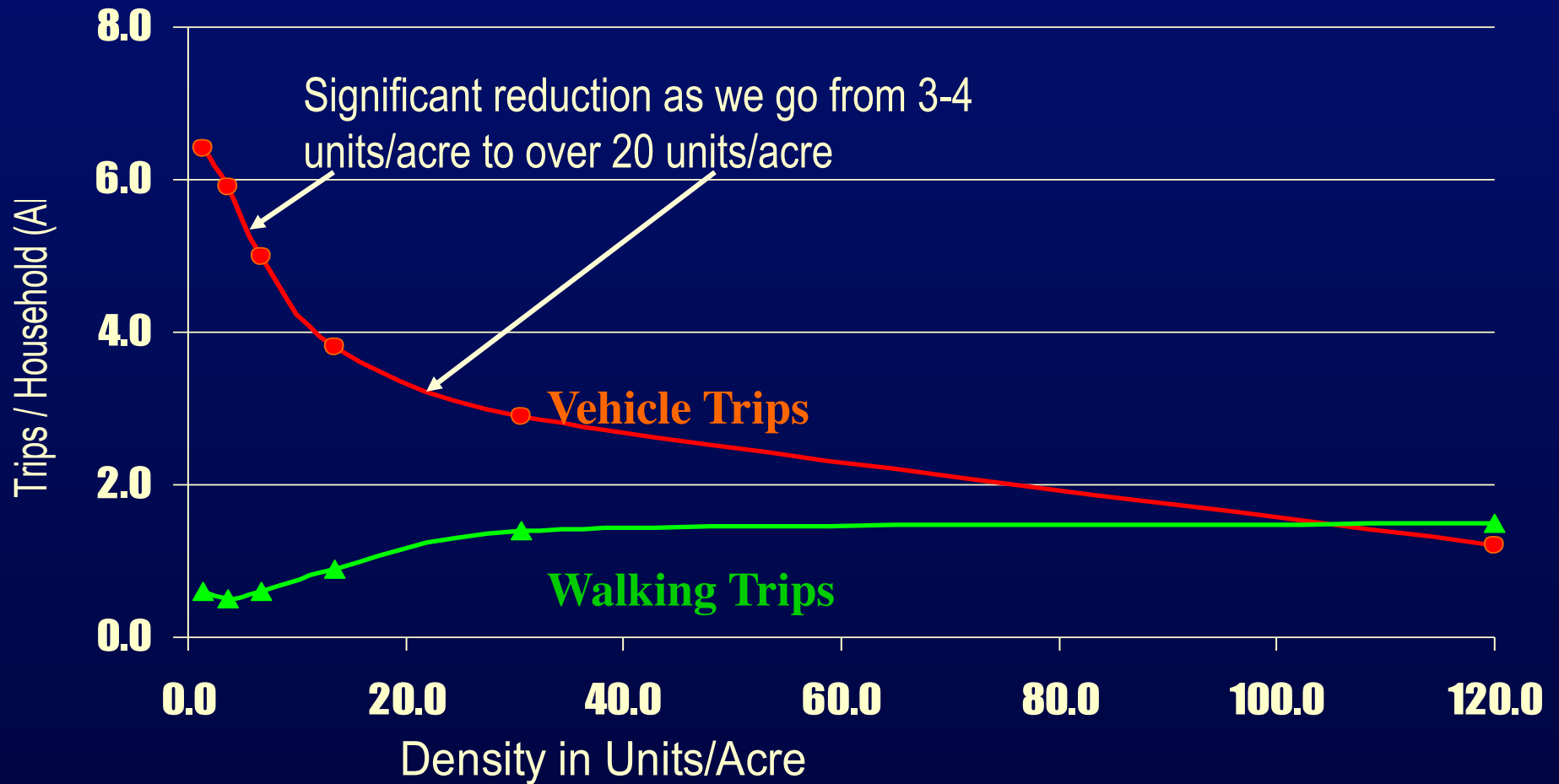
Public Interest
Projects, Inc.

Joseph Minicozzi, AICP
Joem@pubintproj.com

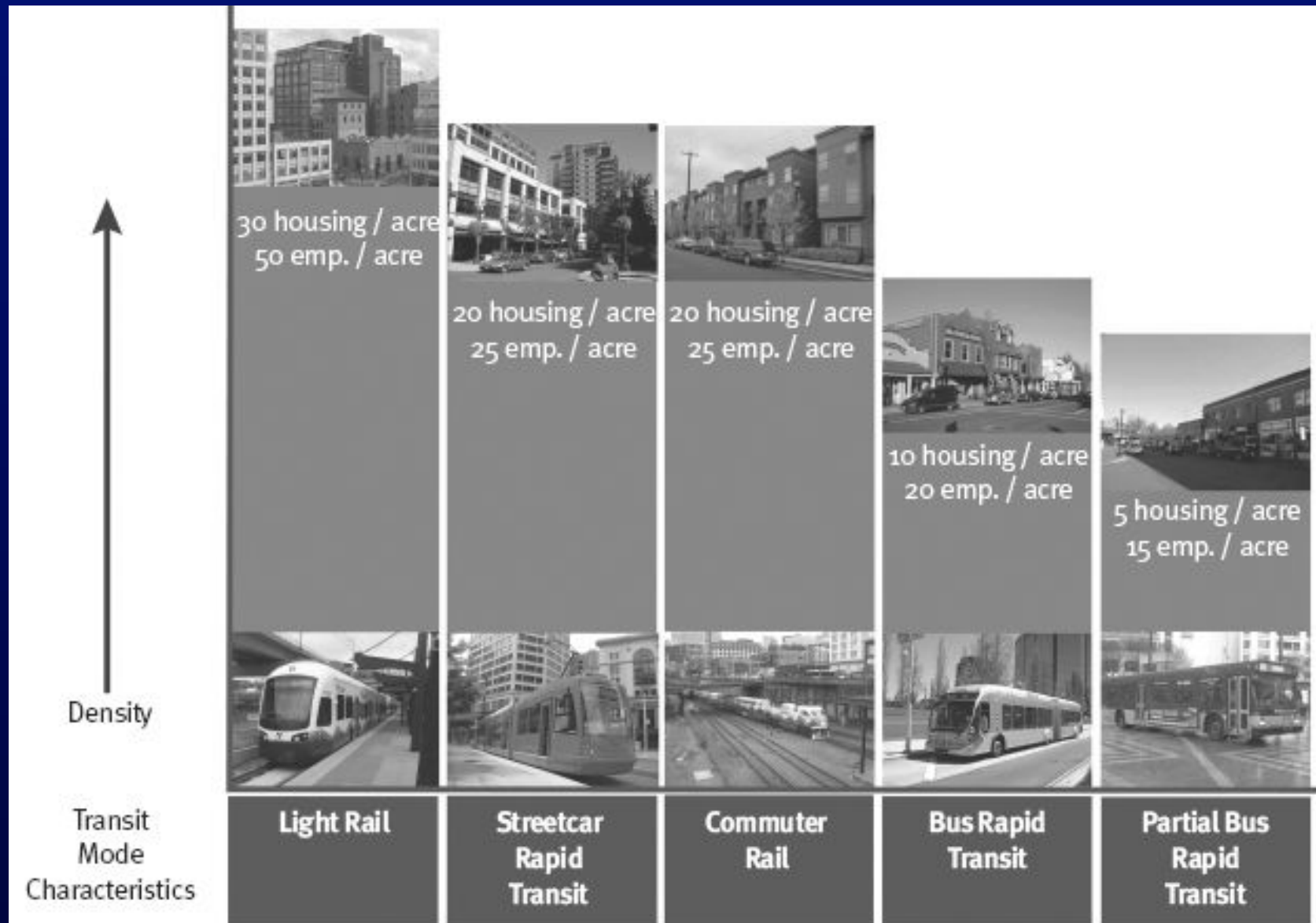


Land Consumed (Acres):	34.0	00.2
Total Property Taxes/Acre:	\$ 6,500	\$634,000
City Retail Taxes/Acre:	\$ 47,500	\$83,600
Residents per Acre:	0.0	90.0
Jobs per Acre:	5.9	73.7

Land Use Pattern Affects Travel — Higher Density can reduce Vehicle Trips



Land Use Pattern Affects Travel — Density to Support Transit



Source: Tumlin,
Jeffery, Sustainable
Transportation
Planning, 2012

Land Use Pattern Affects Travel — Density to Support Retail

For a 10,000
sq.ft.
Convenience
Store

- 7 units/acre

For a 25,000
sq.ft. Small
Supermarket

- 18 units/acre



Compact Development in Appropriate Locations

Traditional Neighborhood Code

Knoxville, TN



In 1991 there were 31.8 million people over the age of 65 in the U.S.

By 2030 that number will increase to 66 million.



Demographic Trends: Increase in Elderly Population



Moving to
downtowns and
older
neighborhoods

Driving less and
looking for other
transportation
options.

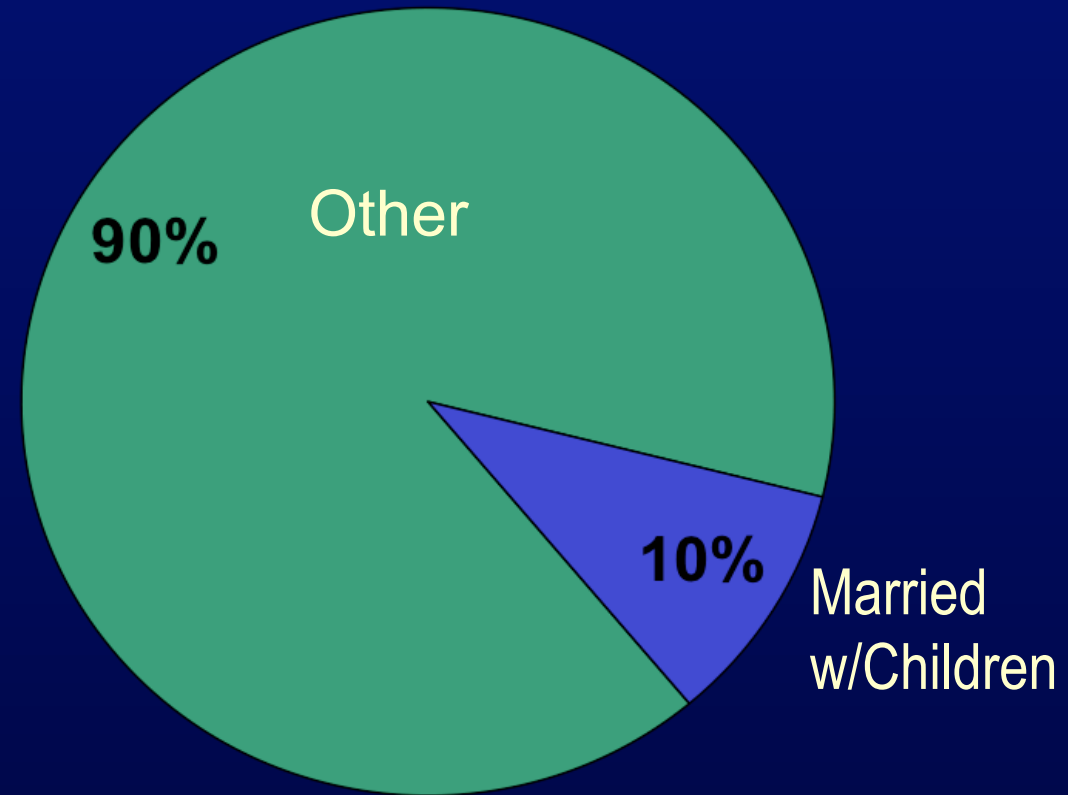


Demographic Trends: Millennials



New U.S. Households Formed: 2005-2015

“The traditional family — married couples with children — is slowly declining in number, while households made up of single persons living alone, singles living together, and married couples without children are growing rapidly. These three groups will account for 90 percent of the net new household growth projected in this decade, according to U.S. Census Bureau figures.”



Peter Slavin, “The Rise of the Nontraditional Household,”
Multifamily Trends, Urban Land Institute, Summer 2005.

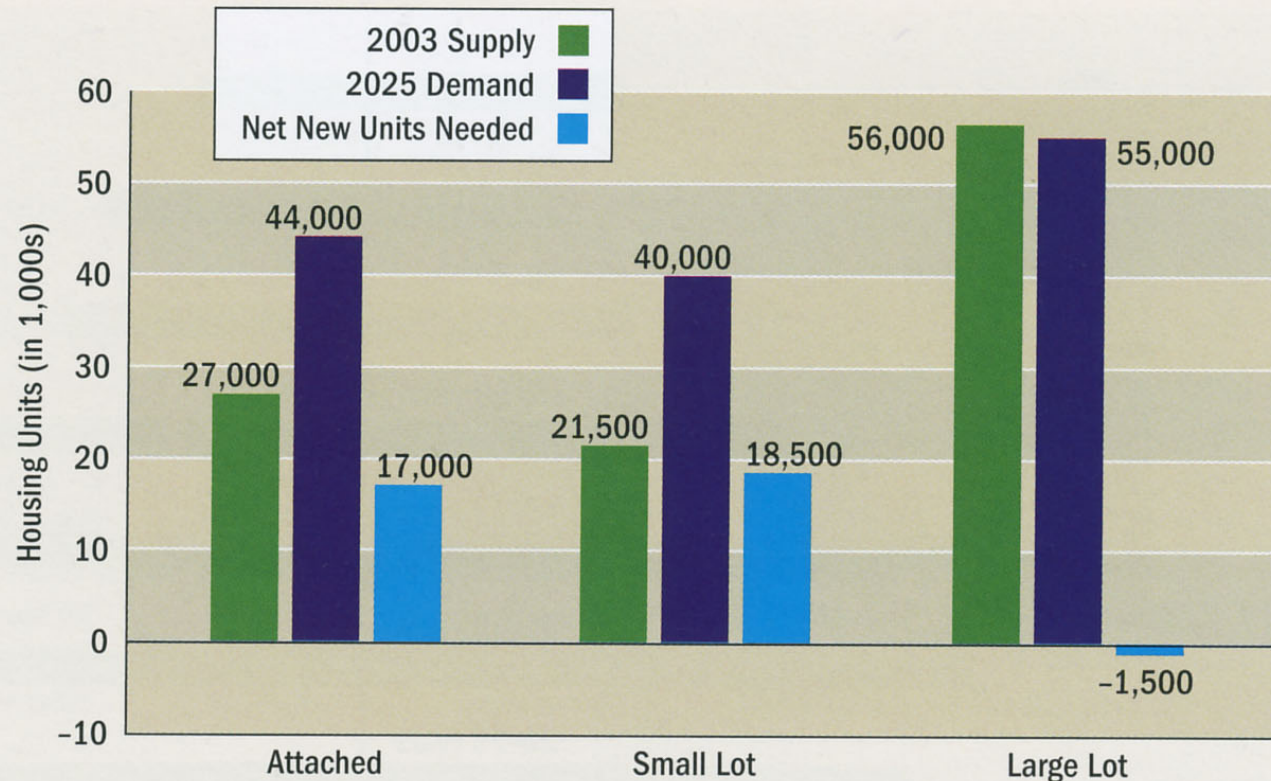
Tremendous Opportunity?

- By 2025 demand for attached and small-lot housing will exceed current supply by 35 million units (71%)
- Demand for compact housing will fall short of current supply

Source: Arthur C. Nelson, "Leadership in a New Era," *Journal of the American Planning Association*, Fall 2006

FIGURE 2-12

2003 Housing Supply versus 2025 Housing Demand



SOURCE: A.C. Nelson. "Leadership in a New Era." *Journal of the American Planning Association*. Vol. 72, Issue 4, 2006, pp. 393-407.

4. Mix land uses

- Provide retail or personal services near housing
- Incorporate parks, schools, and other public facilities



Alternative Patterns of Development



Traditional

Conventional



Housing over retail shops

Sacramento, CA



Housing over restaurant, shops

Sacramento, CA



Housing next to retail

Salinas, CA

5. Provide housing opportunities and choices

- Provide quality housing for people of all income levels, household sizes, and stages in the life cycle.





Mixed Income Housing

Redwood City, CA



Live-Work Units

Little Italy, San Diego, CA



Mixed housing types

Fourplex, Doe Mill, Chico, CA



Mixed housing types

Fourplex, Doe Mill, Chico, CA



Mixed housing types

Bungalow Court, Doe Mill, Chico, CA



Mixed housing types



Townhouses, Doe Mill, Chico, CA

6. Provide a variety of transportation choices

- Coordinate land use and transportation investment
- Increase high-quality transit service
- Connect pedestrian, bike, transit, and road facilities





Transit-Oriented Development

San Diego, CA



Portland, Oregon Streetcar



Portland Bus Mall



Los Angeles Metro Rapid Bus



Mexico City Metrobus



Local Government Commission

www.lgc.org



Mexico City Metrobus





Paris, France — Bus Rapid Transit

Bicycle Share Programs



Lyon, France



Paris, France



Mexico City, Mexico



Omaha, NE



Cycletracks — New York City

STREET SPACE FOR 60 PEOPLE

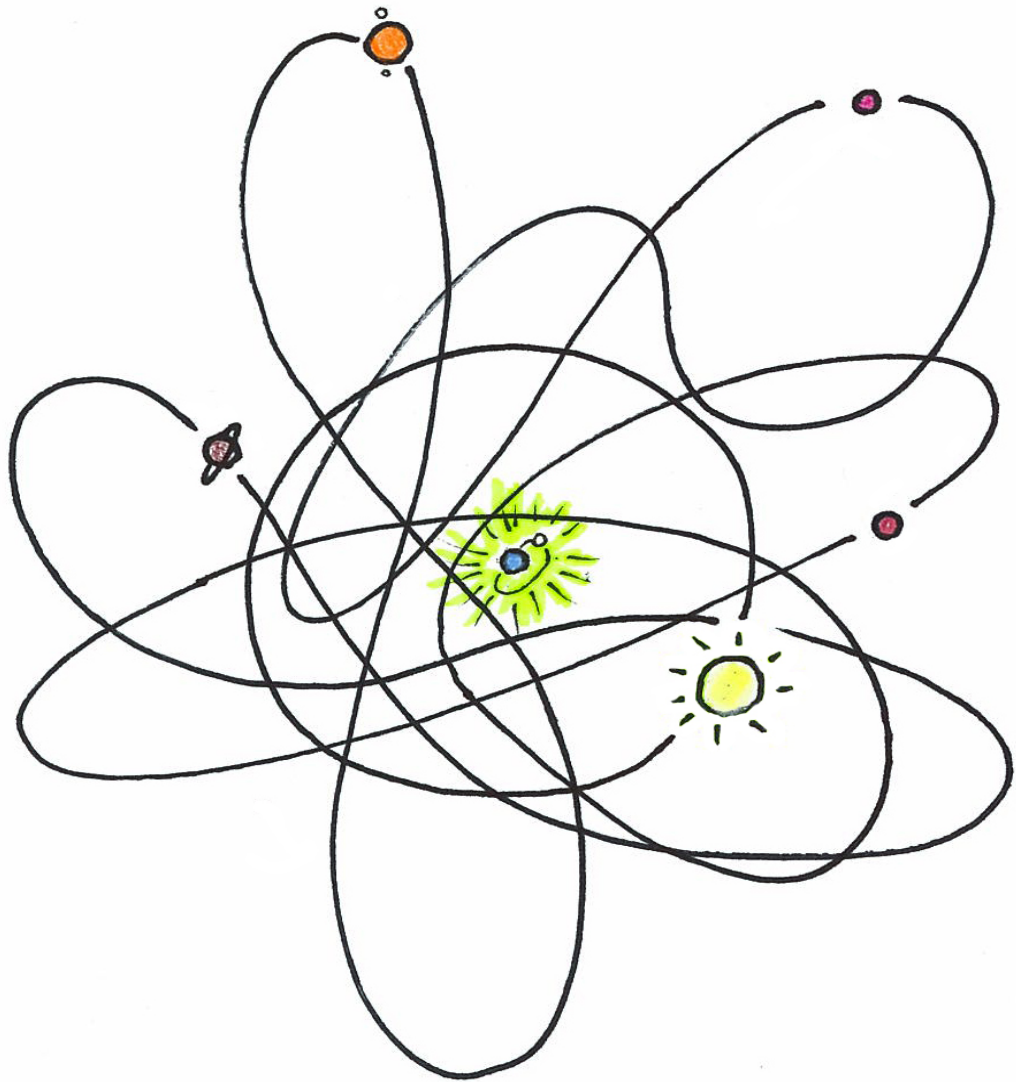


Press office, City of Münster, Germany

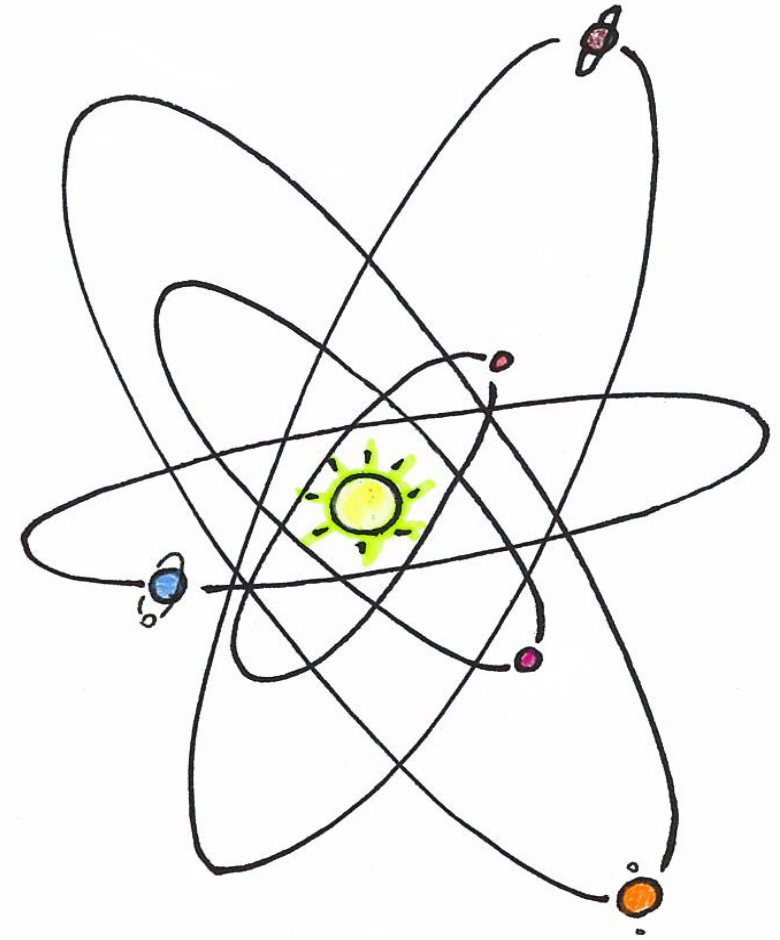
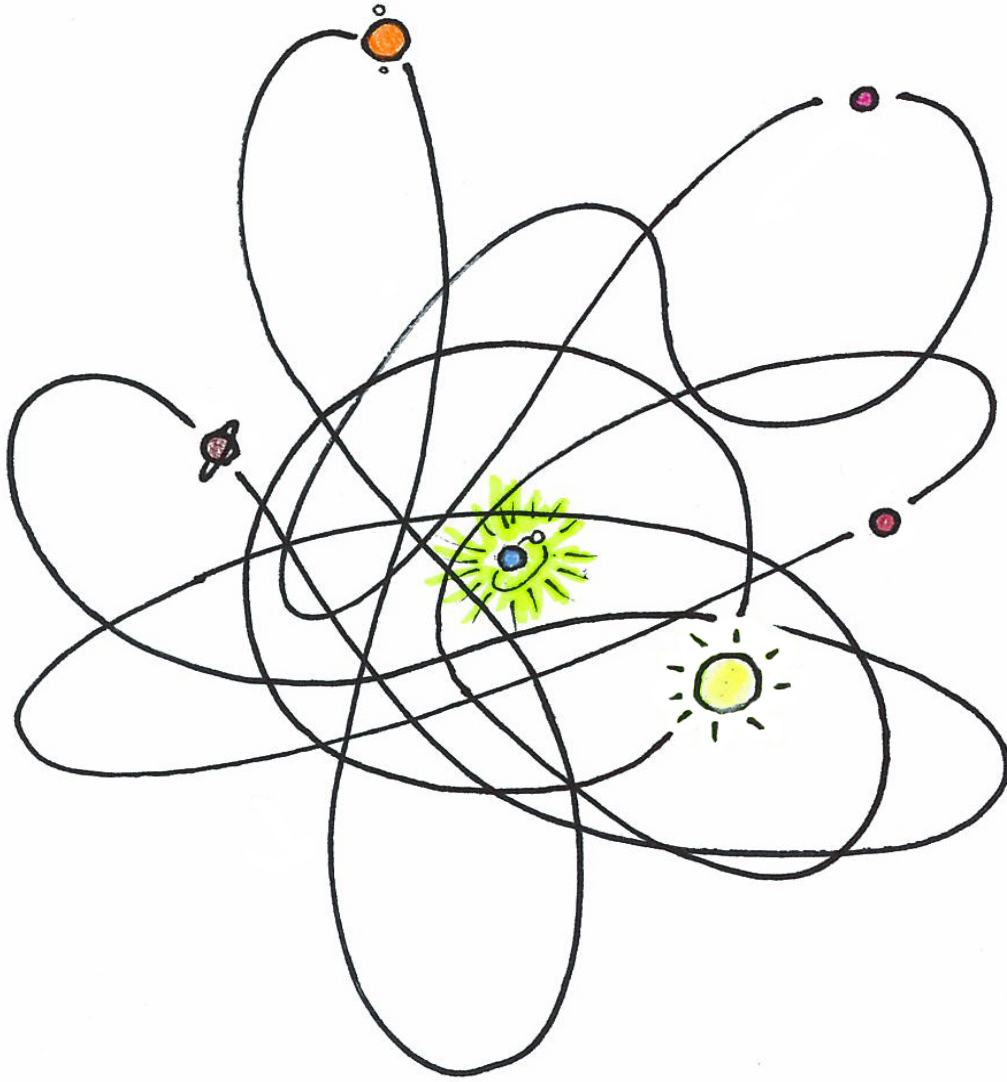
7. Create walkable communities

- Mix land uses, build compactly, and provide safe and inviting pedestrian corridors
- Create “complete streets”
 - Accommodate pedestrians, bicyclists, transit users

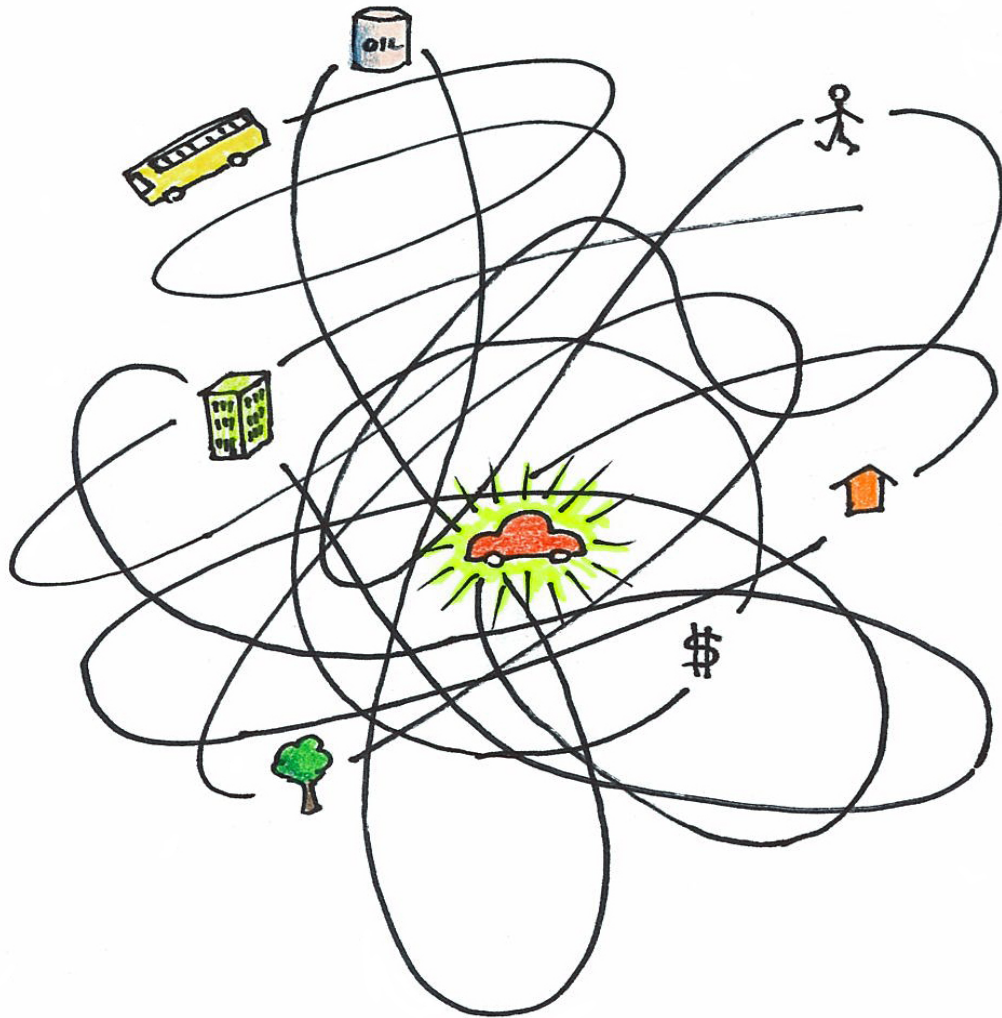




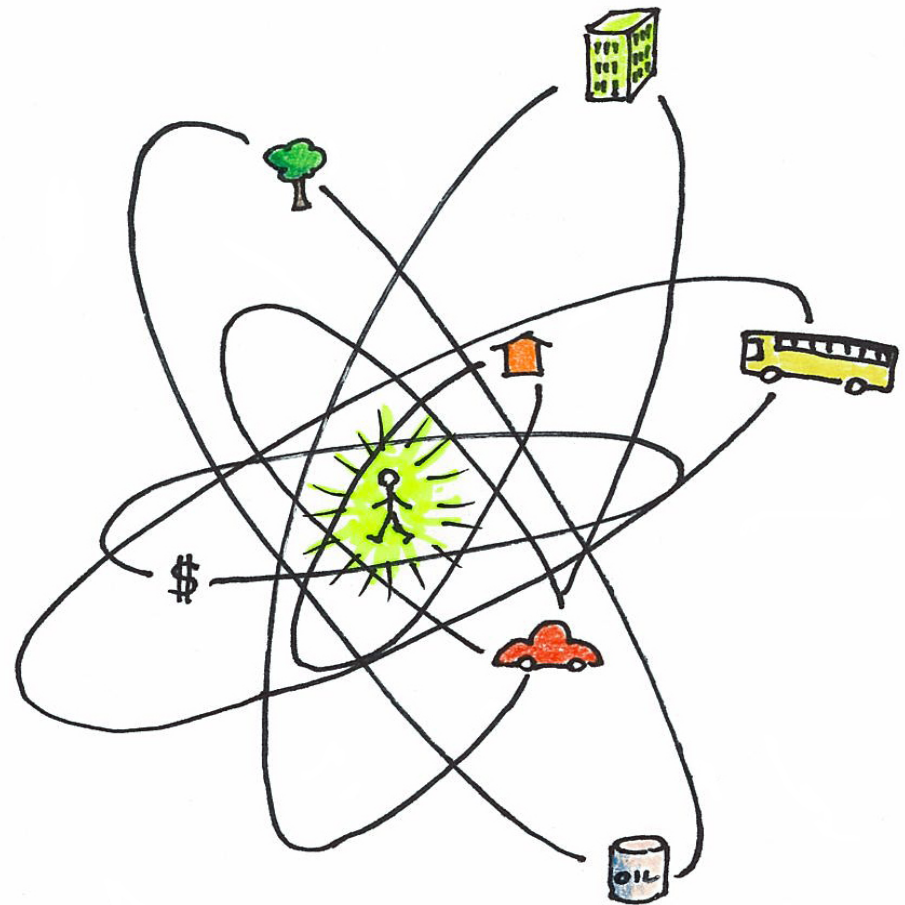
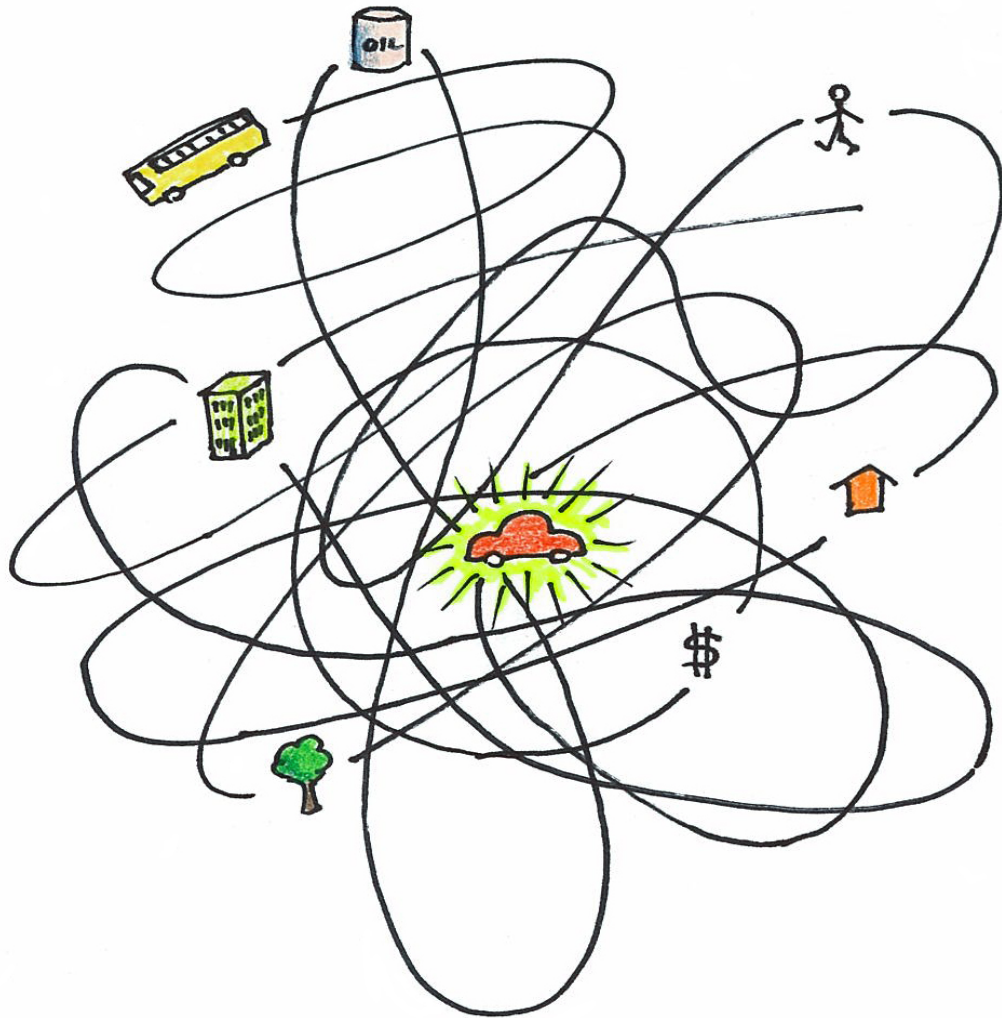
Courtesy of traffic engineer Ian Lockwood



Courtesy of traffic engineer Ian Lockwood



Courtesy of traffic engineer Ian Lockwood



Courtesy of traffic engineer Ian Lockwood

What's the first thing a child wants to do and the last thing an older person wants to give up?



“Cars are happiest
when there are no
other cars around...”
— Dan Burden, Blue Zones



Victoria, British Columbia



“People are happiest when there are a lot of other people around...”

— Dan Burden,
Blue Zones

Victoria, British Columbia

The tremendous potential

Of all trips:

50%

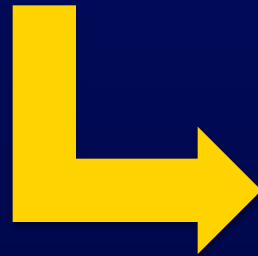
are less than
3 miles

28%

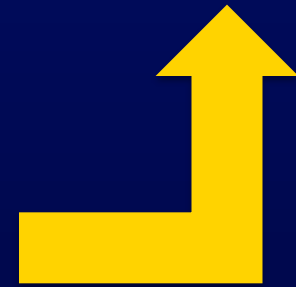
are less than
1 mile

60%

are driven



of these trips...



National Household Travel Survey (2009)



Smart Growth America
Making Neighborhoods Great Together

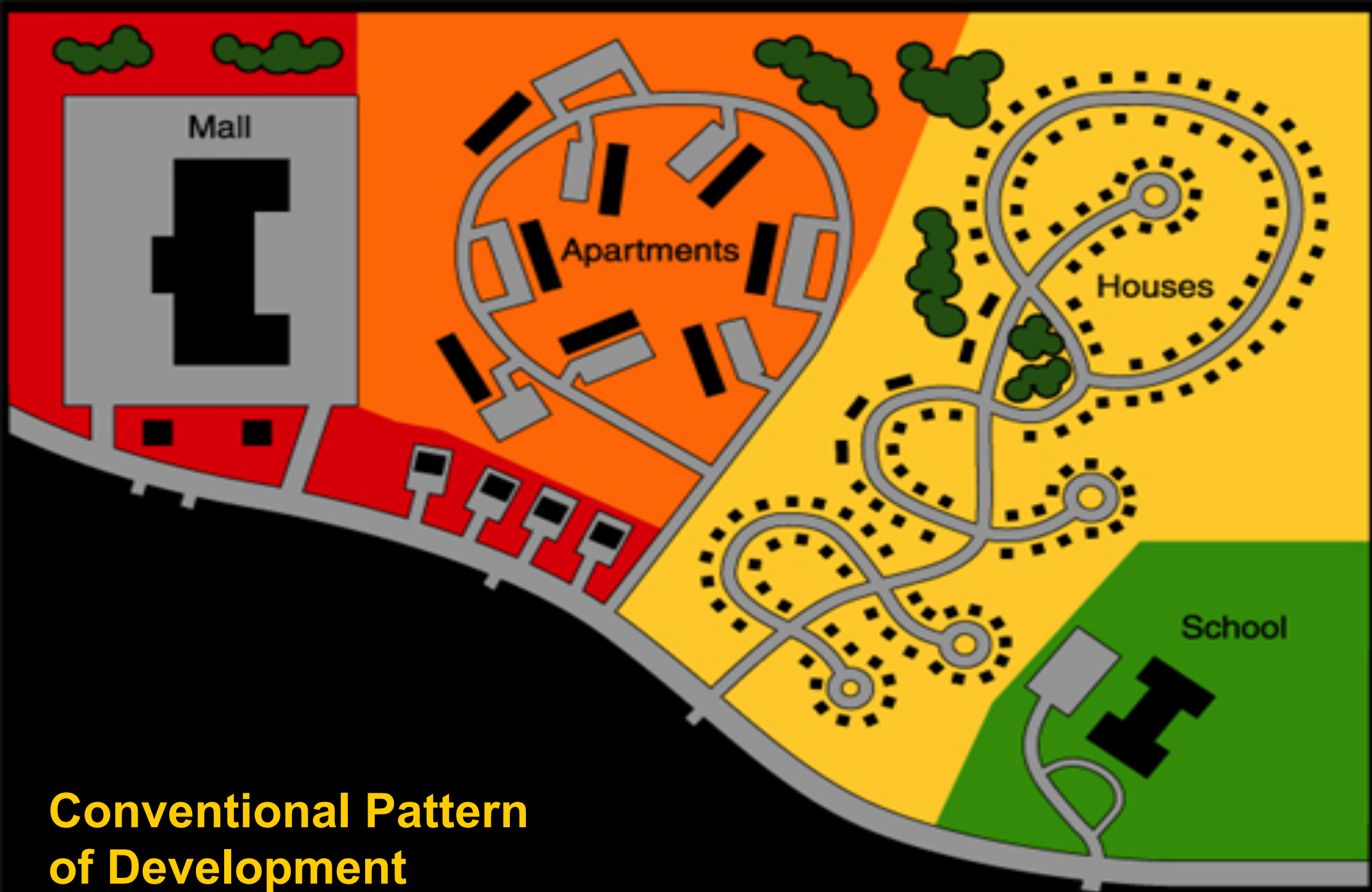


**National Complete
Streets Coalition**

Street Design

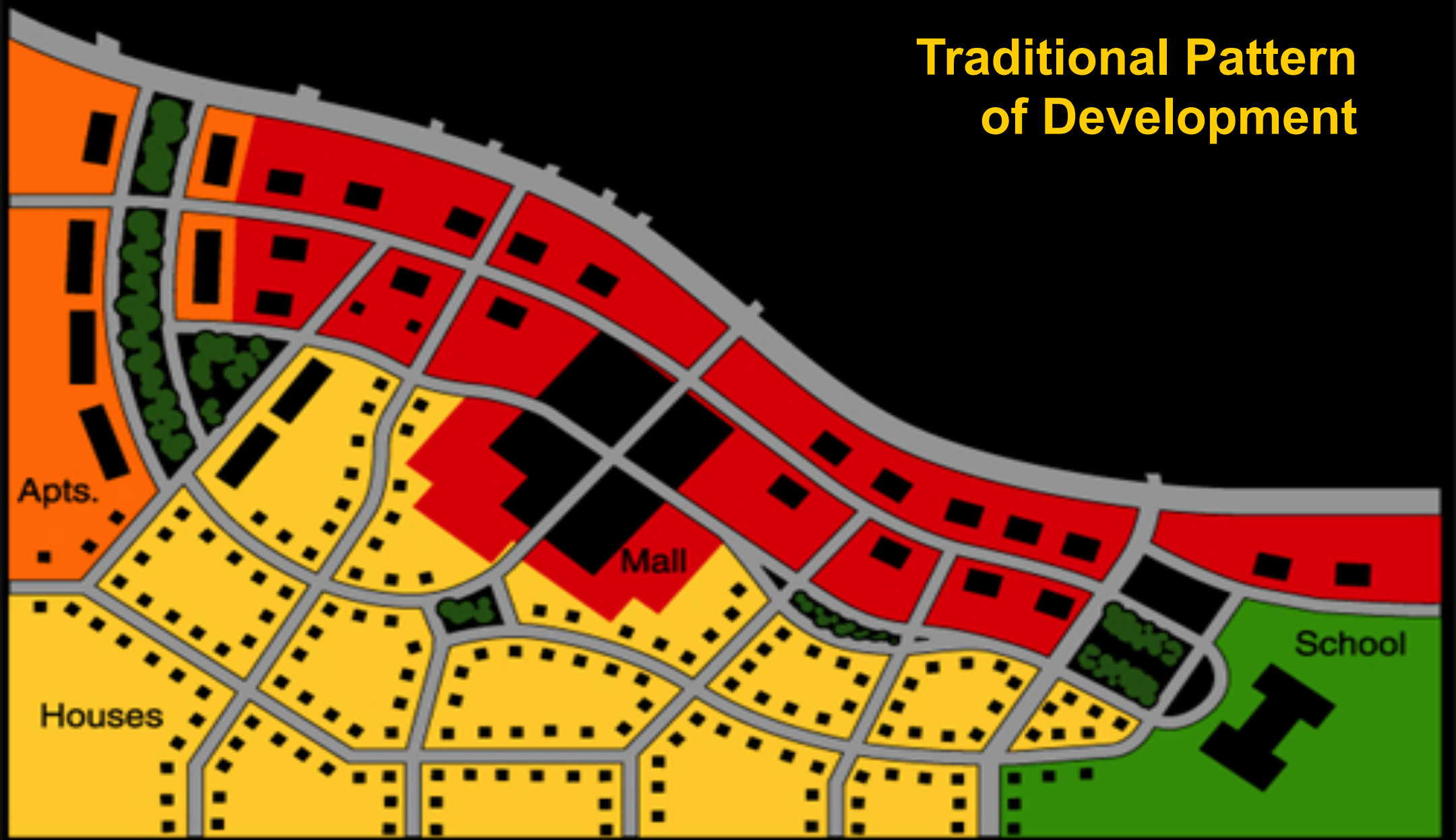
- Influences trip choices
 - Safe, quiet, slow, shaded streets encourage people to walk, ride bicycle or take transit instead of driving a car





**Conventional Pattern
of Development**

Traditional Pattern of Development



Apts.

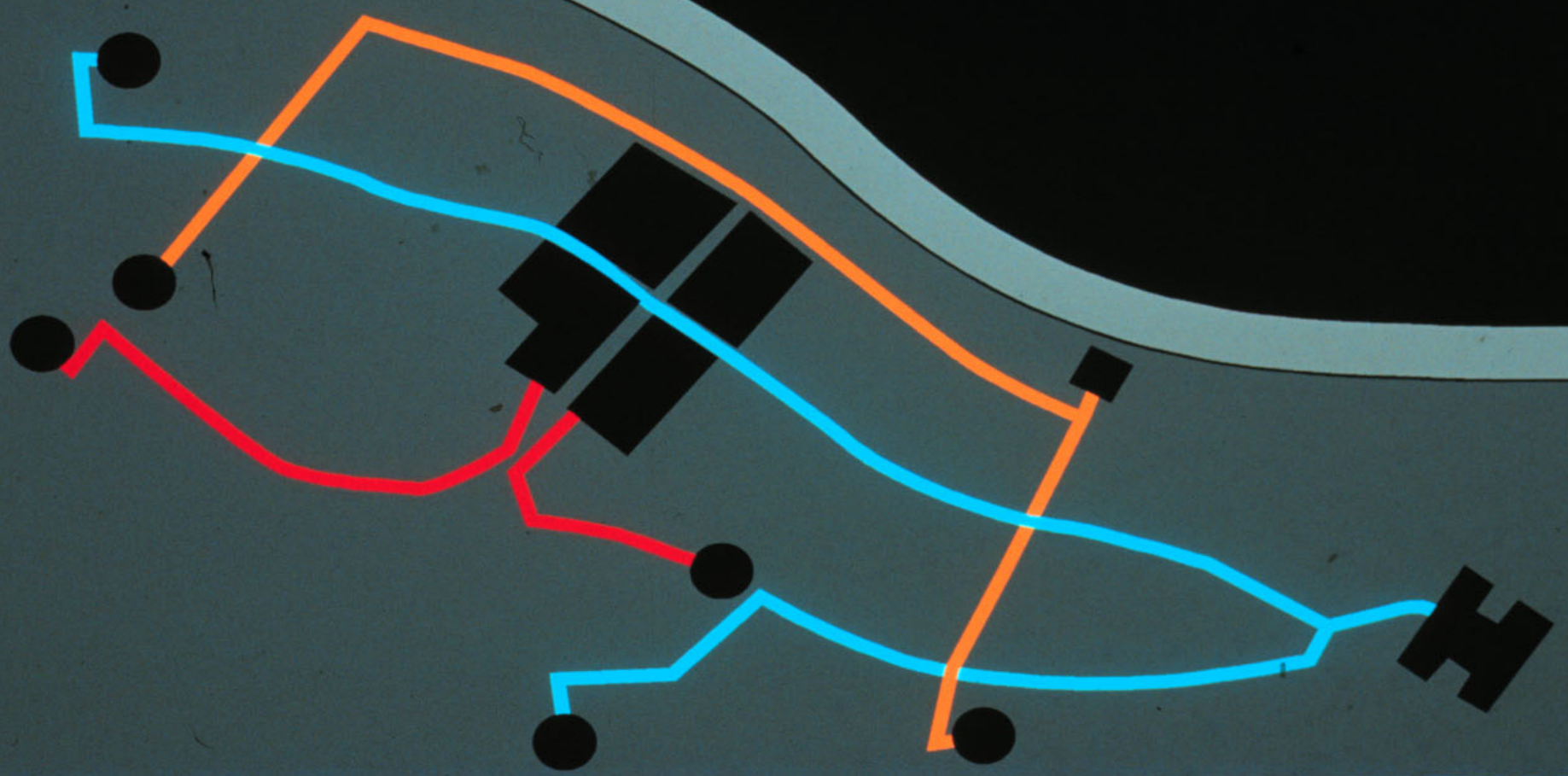
Mall

Houses

School

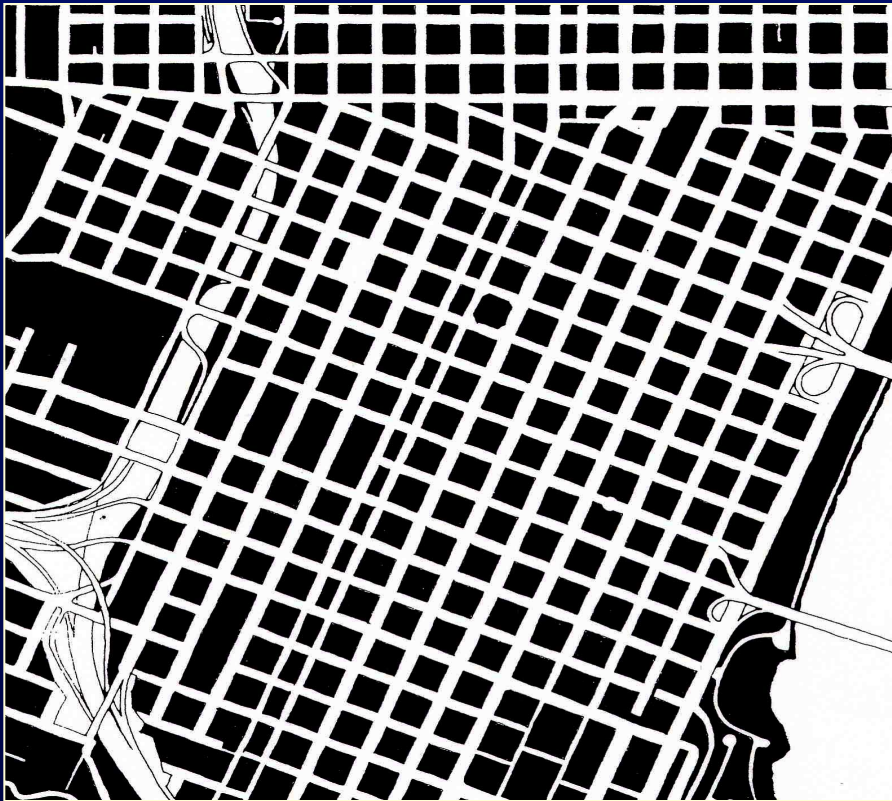
ARTERIAL

Trip Assignment: Traditional



Traditional vs. Conventional

Central Business Districts at the same scale



Great Streets, Allen Jacobs

Portland, Oregon



Great Streets, Allen Jacobs

Walnut Creek, California

CALIFORNIA CITY COMPARISON

Safer Cities

Less Safe Cities

Population
Population Density

65,719

59,845

5,736 per sq. mi.

2,673 per sq. mi.

Intersection Density

106 per sq. mi.

63 per sq. mi.

Mode Share

Driving

84.1%

95.8%

Walking

5.4%

1.7%

Biking

4.1%

0.7%

Transit

6.6%

1.7%

Road Fatalities per 100,000 population

3.2 per year

10.5 per year

Courtesy: Wesley E. Marshall, Ph.D., P.E., and Norman W. Garrick, Ph.D., "Street Network Types and Road Safety: A Study of 24 California Cities"

Principles of Safe, Walkable Streets

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



Principles of Safe, Walkable Streets

- Streets designed so drivers feel comfortable at slow speeds
 - 15-25 mph on neighborhood streets
 - 25-35 mph on avenues and boulevards



Principles of Safe, Walkable Streets

- Narrower streets are slower and safer
 - Longmont, CO study of 20,000 accidents
 - Found street width had the greatest relationship to injury accidents
 - Accidents/mile/year were higher on wider streets
 - 40-foot wide street 2.23 a/m/y
 - 36-foot wide street 1.21 a/m/y
 - 24-foot wide street 0.32 a/m/y

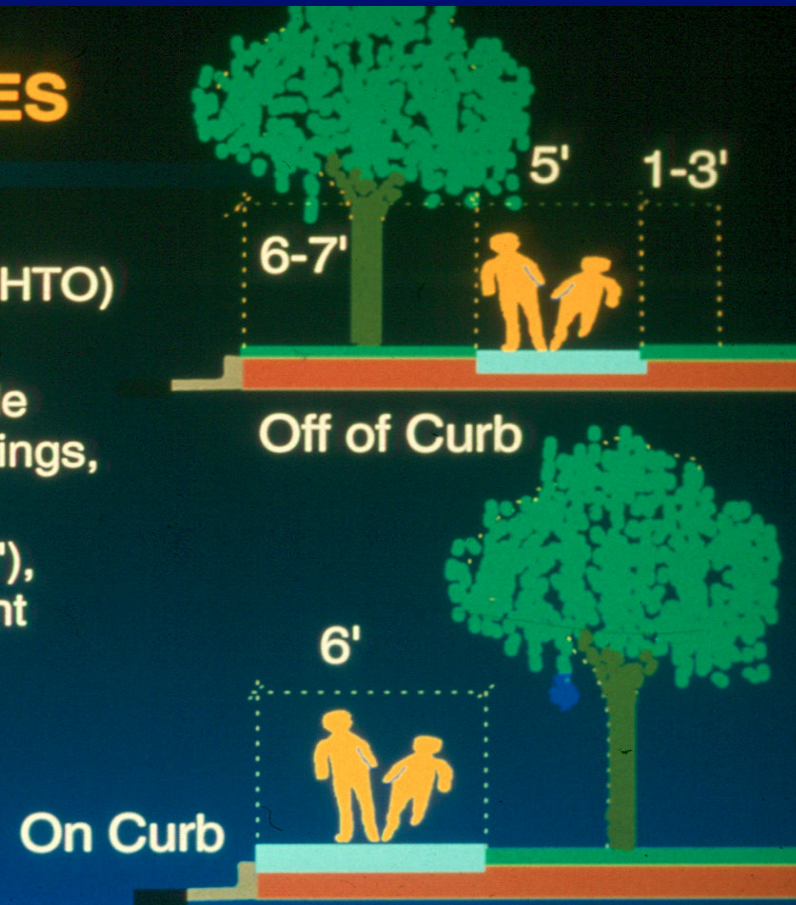
Source: "Residential Street Typology and Injury Accident Frequency," Swift and Associates, Longmont, CO, 1997

Safe Streets Need Good Sidewalks

- Detached from curb
- At least 5 feet wide
- Planting strip helps shade street and sidewalk

SIDEWALK FEATURES

- Width (minimum 5'), ADA
- 6 feet if at back-of-curb (AASHTO)
- Crossfall 1:50
- Pedestrians need a 2-foot wide buffer to all edges, curb, buildings, bridge railings etc.
- Buffer to motor vehicles (4-10'), nature-strip 7 feet wide to plant trees
- Street lighting, shade
- Pavers can be used for enhancement



Safe Streets Need Good Sidewalks



Healthy Neighborhoods Need Good Street Crossings



Parklets or plazas take underused street space to create people places, support local businesses



8. Foster Distinctive, Attractive Communities with a Strong Sense of Place



Alexandria, VA



Santa Barbara, CA



“There is little sense of having arrived anywhere, because everyplace looks like no place in particular.”

— James Howard Kunstler, *The Geography of Nowhere*



Sonoma, CA



Historic Heart of San Diego

Historic Heart of San Diego

the old spaghetti factory

ROAD CONSTRUCTION AHEAD

San Diego, CA

9. Encourage community and stakeholder collaboration in development decisions

- The private sector does most of the development, but residents and other stakeholders collaborate in this process to ensure it is consistent with community needs and concerns.



PLANS FOR
NEW CUTLER
OROSI





Cutler-Orosi Design Charrette – Opening Night Workshop





1 Sidewalk Finished

2 Better Lighting

3 Stop sign on Main St



Baldwin Park, CA

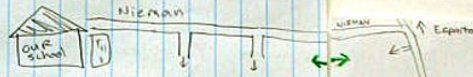
Cutler, CA







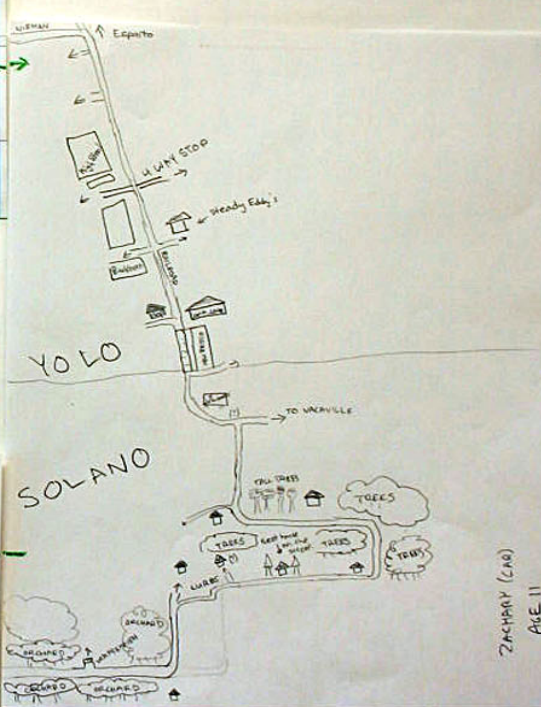
Zachary (car)



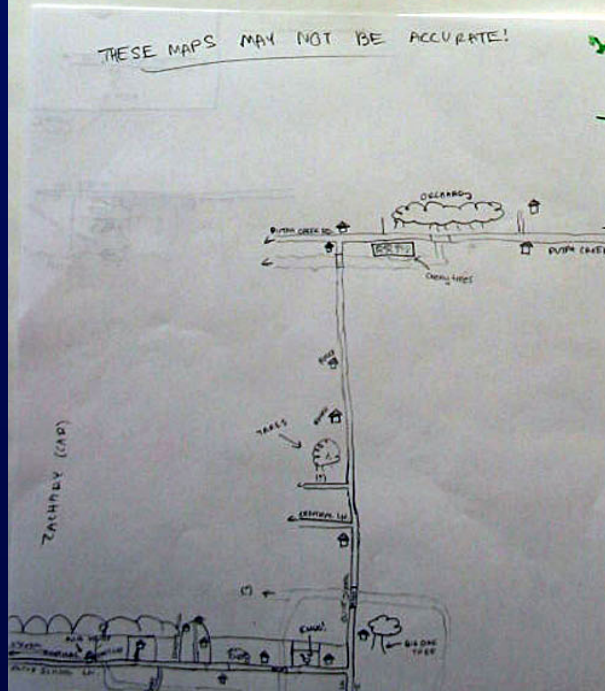
3

2

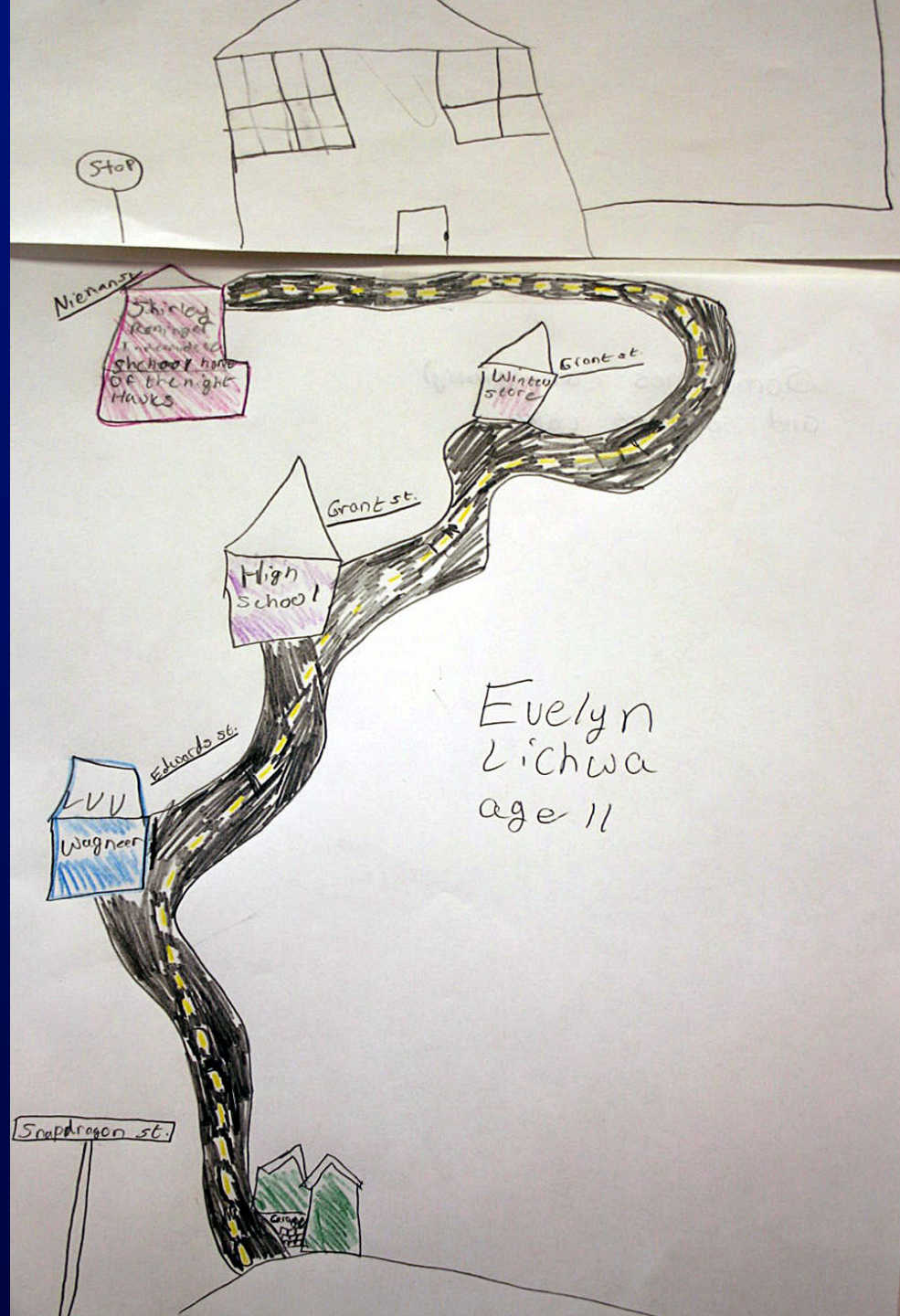
THESE MAPS MAY NOT BE ACCURATE!



THESE MAPS MAY NOT BE ACCURATE!



ZACHARY (CAR)
PAGE 11



Evelyn
Lichwa
age 11

Implementation – Public Participation is Key

- Get Better Plans
- Engage Residents in their Community
- Good Plans Survive Political Changes
- Way to insure that residents feel not that they have access to City Hall but that they own City Hall



10. Make development decisions predictable, fair and cost-effective

- Update comprehensive plan and implementing regulations to incorporate Livable Communities, and apply regulations consistently





Plan proactively

Develop a Vision for Community

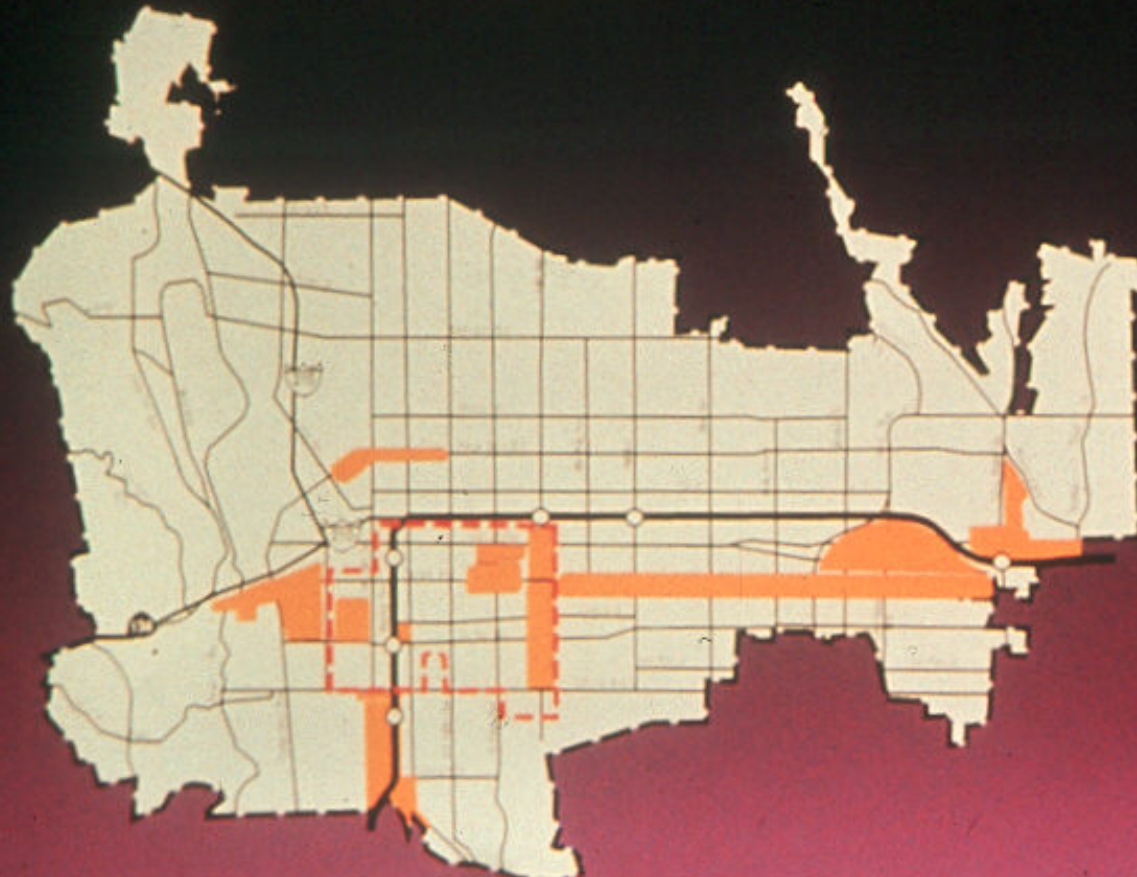
Pasadena
General Plan

IMAGINE



A GREATER
CITY

Point of Agreement: **Targeted Growth**



Strategy Areas

- Directed Development Areas
- Transition Areas
- Enhancement Areas
- Areas to Stabilize
- Central District (Area 19)

Light Rail

- Light Rail Route
- Light Rail Stations

Plan proactively

Develop a Vision for Community

Pasadena
General
Plan

Holly Street
Village

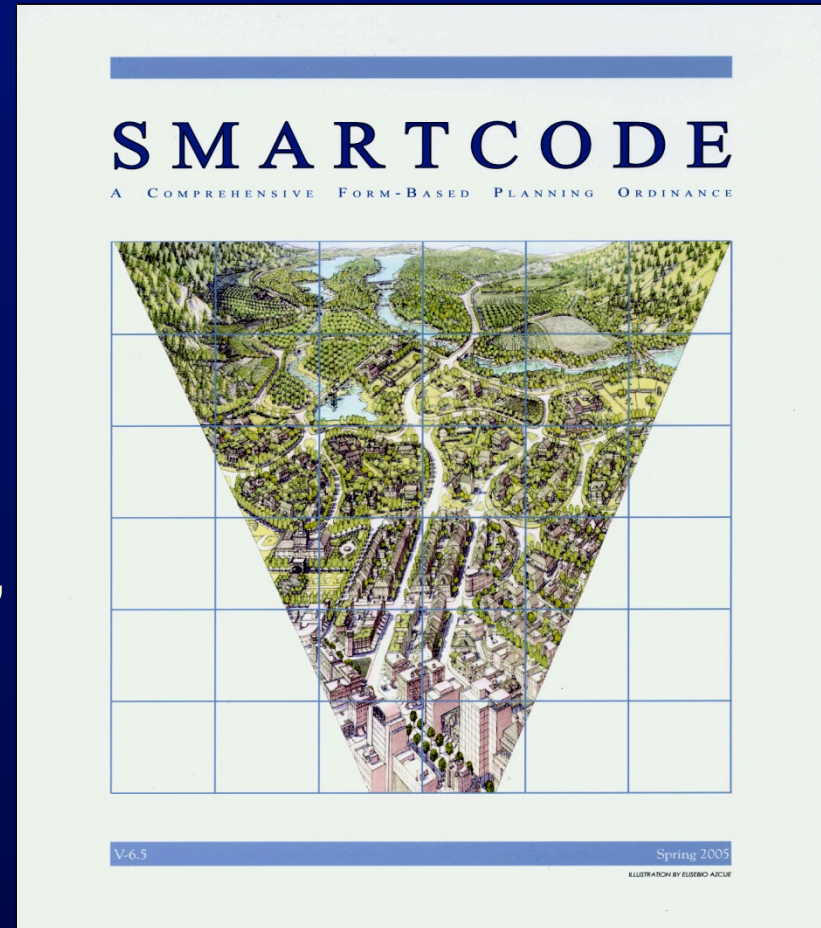
Infill, mixed
use rental
housing

Model:
Early 1990s



Implementing the Vision

- State-of-the-Art Development Codes — Form-Based Codes
 - Recognition that current zoning and land development regulations are flawed
 - New approaches to fixing them
 - New emphasis on form-based codes, SmartCode
 - Problems with conventional codes that emphasize use and intensity of development



Source: Duany Plater-Zyberk

Additional Resources

- Smart Growth Network
 - www.smartgrowth.org
- Smart Growth America
- Local Government Commission
 - www.lgc.org
- Congress for the New Urbanism
 - www.cnu.org

Thank You!

Paul Zykofsky

Local Government Commission

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www.epa.gov/smartgrowth

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Commission

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