Livable Communities

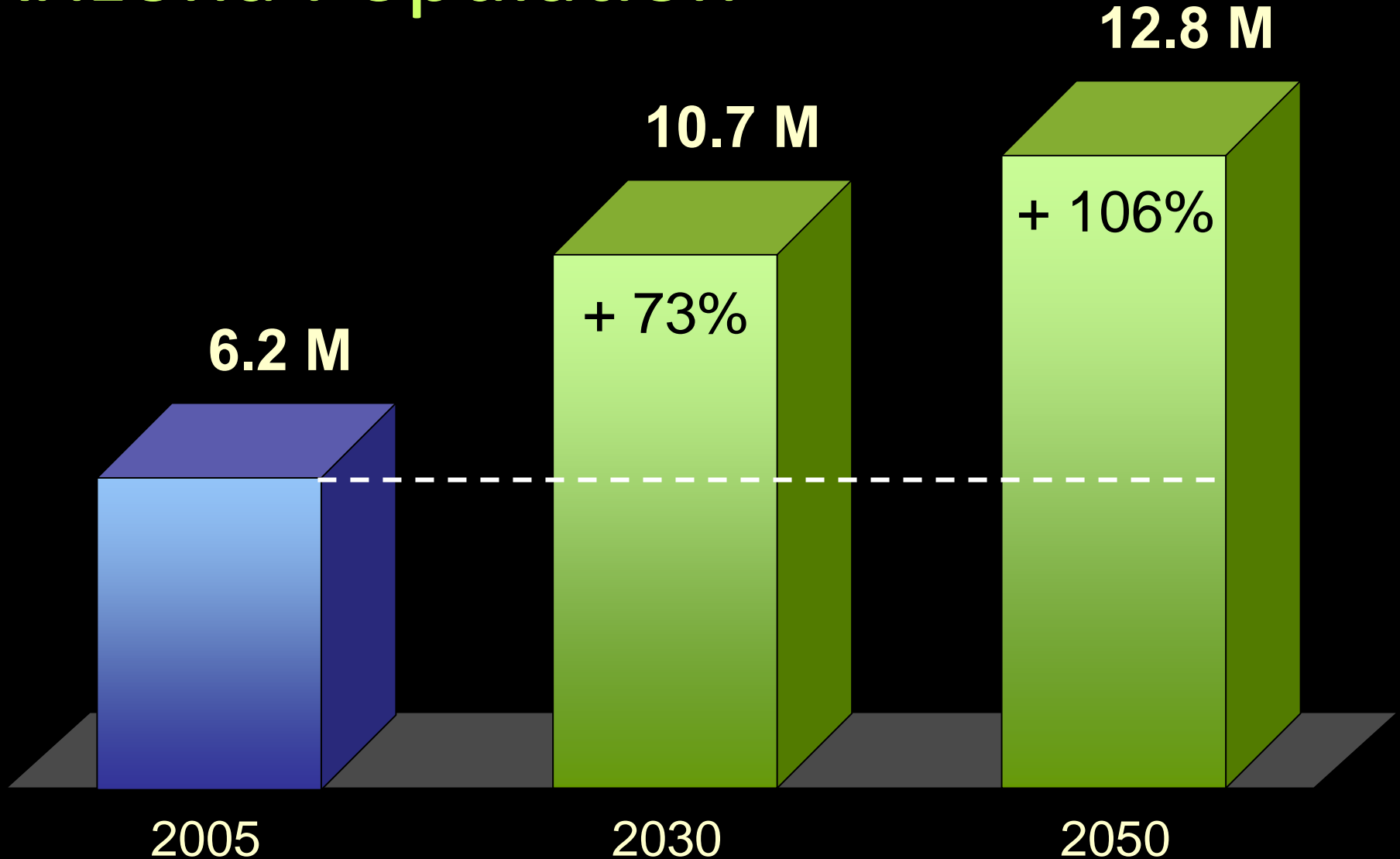**Where** Will America's Elders Live?

Want to

Outline

➢ Key Trends – Arizona & US

➢ 4 Essentials: Elder Mobility

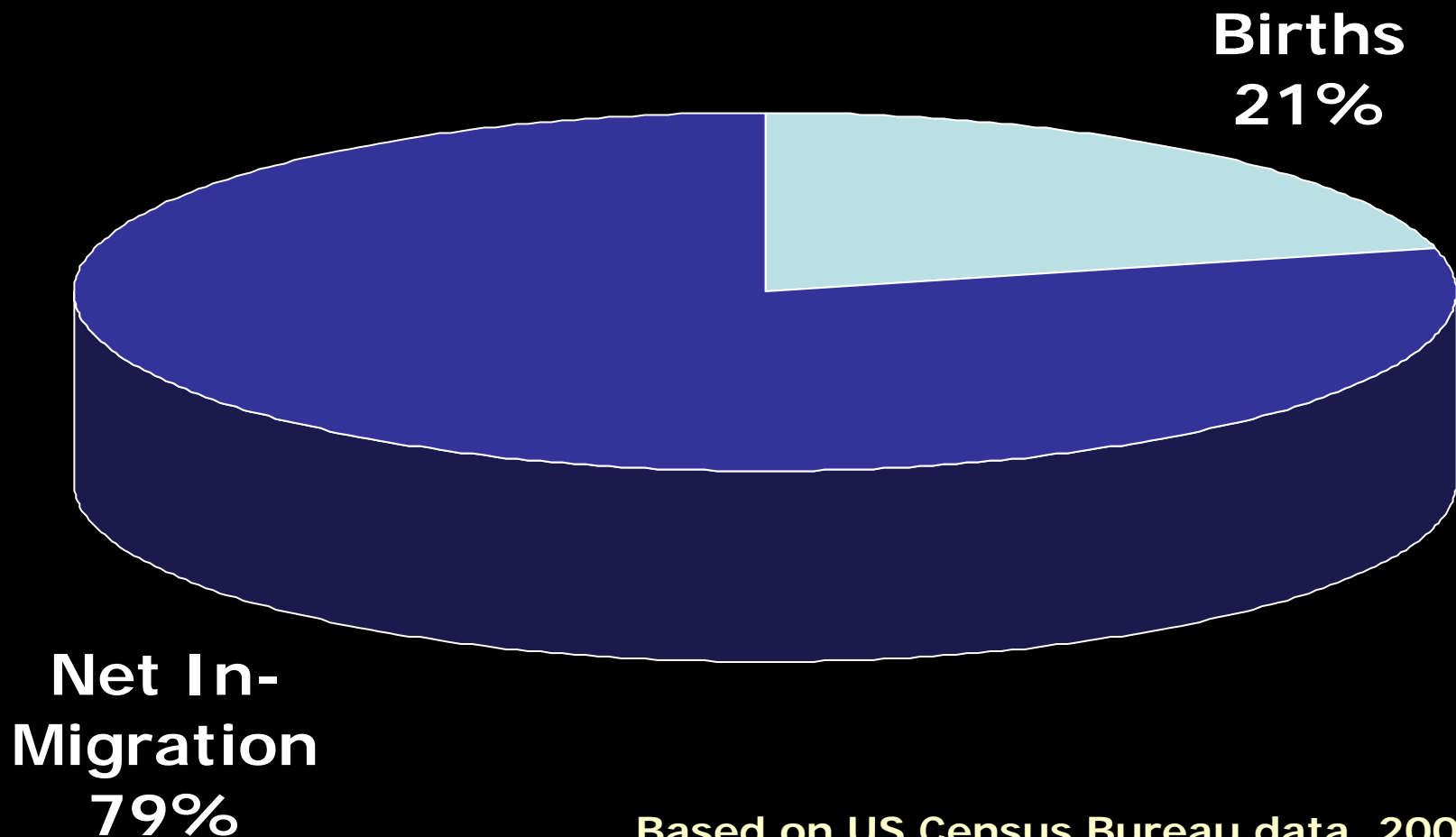➢ Suggested Livable Community Criteria
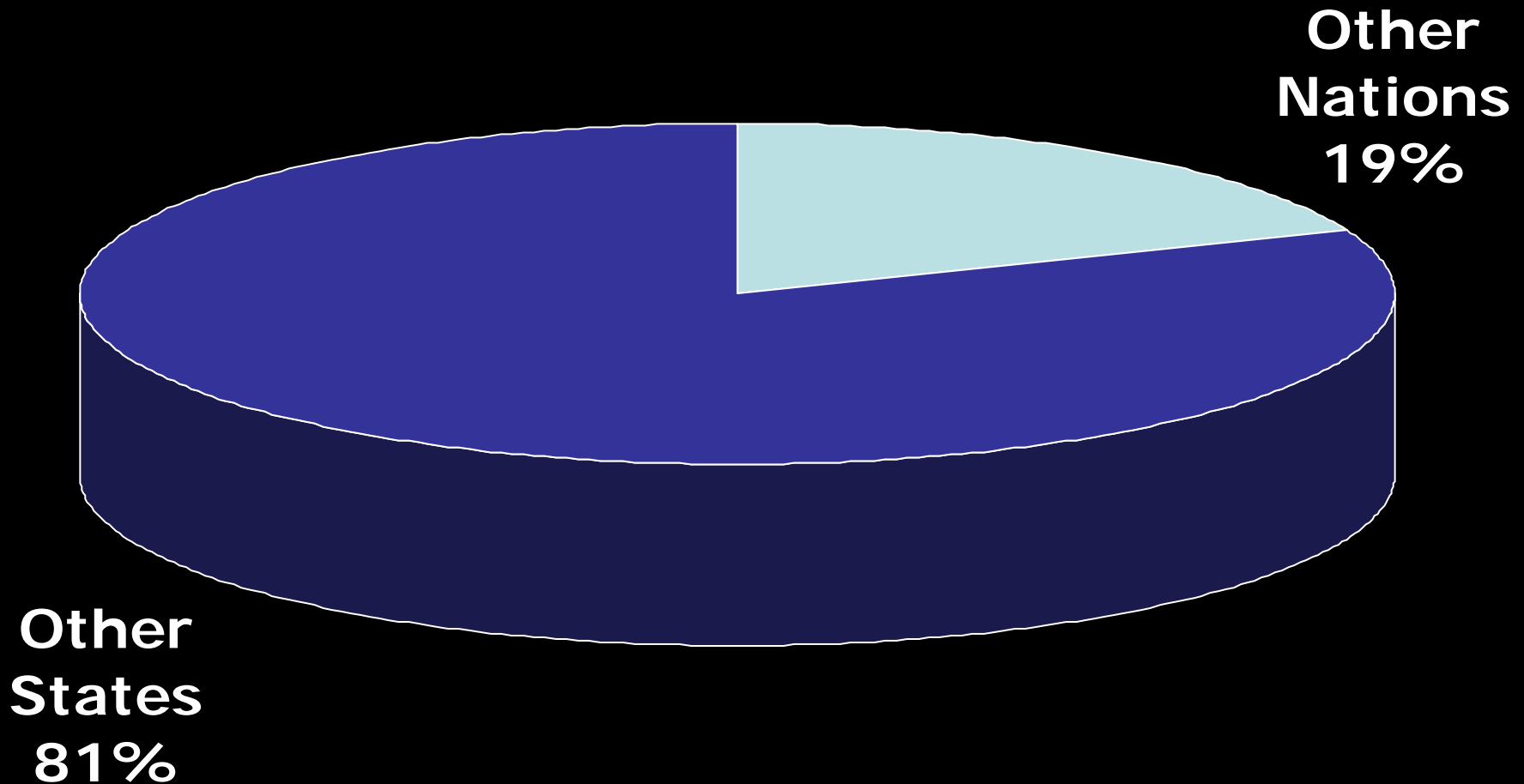
Key Trends

Sustainable Communities

Arizona Population

6.2 M

10.7 M

12.8 M

+ 73%

+ 106%

2005

2030

2050

Source of AZ Population Growth

Births 21%

Net In-Migration 79%

Based on US Census Bureau data, 2000 - 2007

Source of AZ In-Migration

Other Nations 19%

Other States 81%

Based on US Census Bureau data, 2000 - 2007

In-Migration – Ages 65 +

Net In-Migration per 1,000 Population > 65
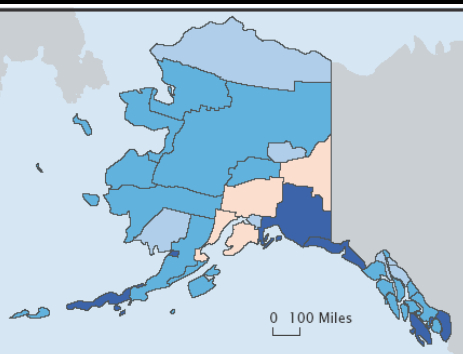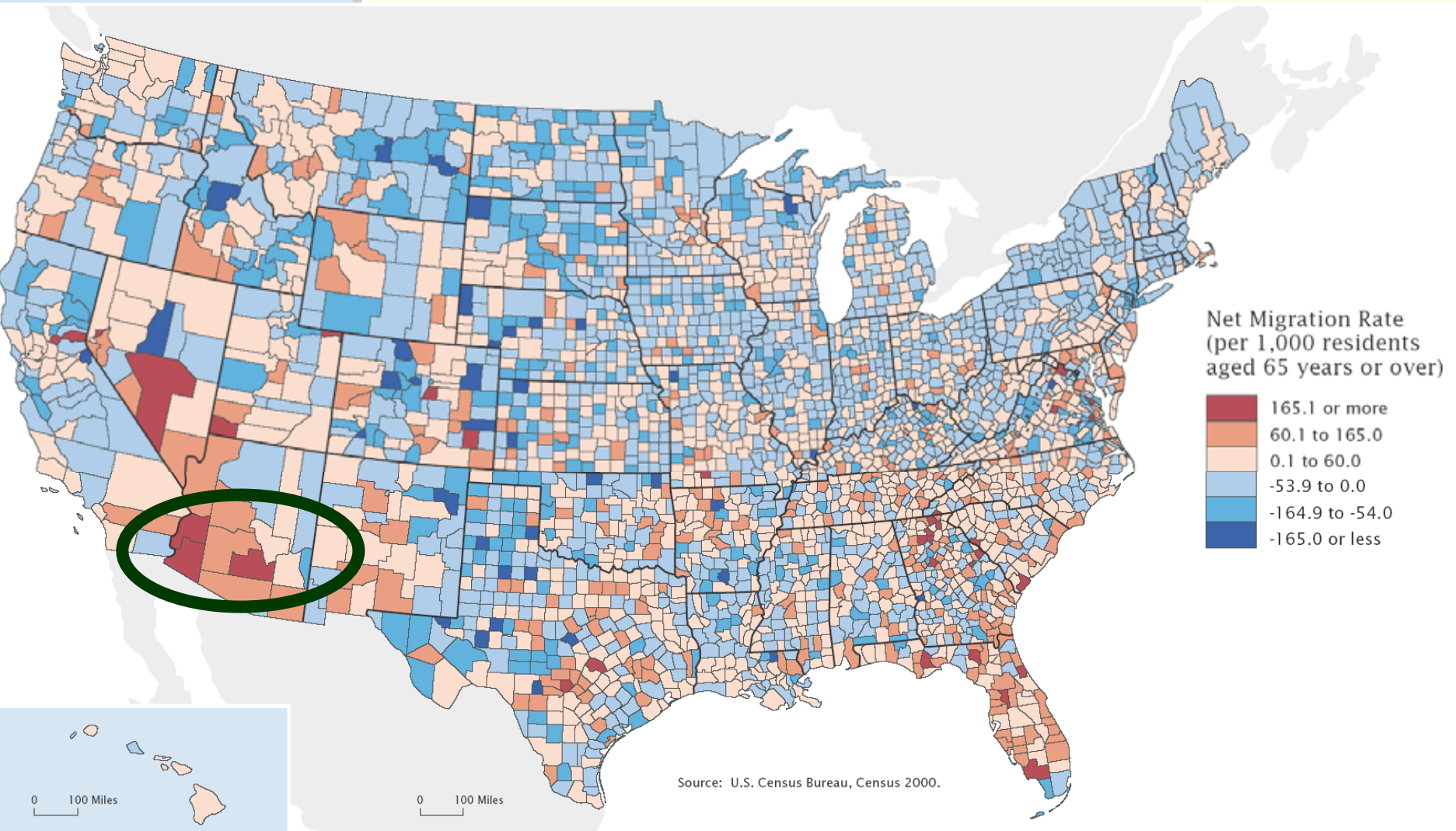
US Census Bureau

Figure 4.
Net Migration Rates for the Population 65 Years and Over: 1995 to 2000

(Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see *www.census.gov/prod/cen2000/doc/sf3.pdf*)

Net Migration Rate
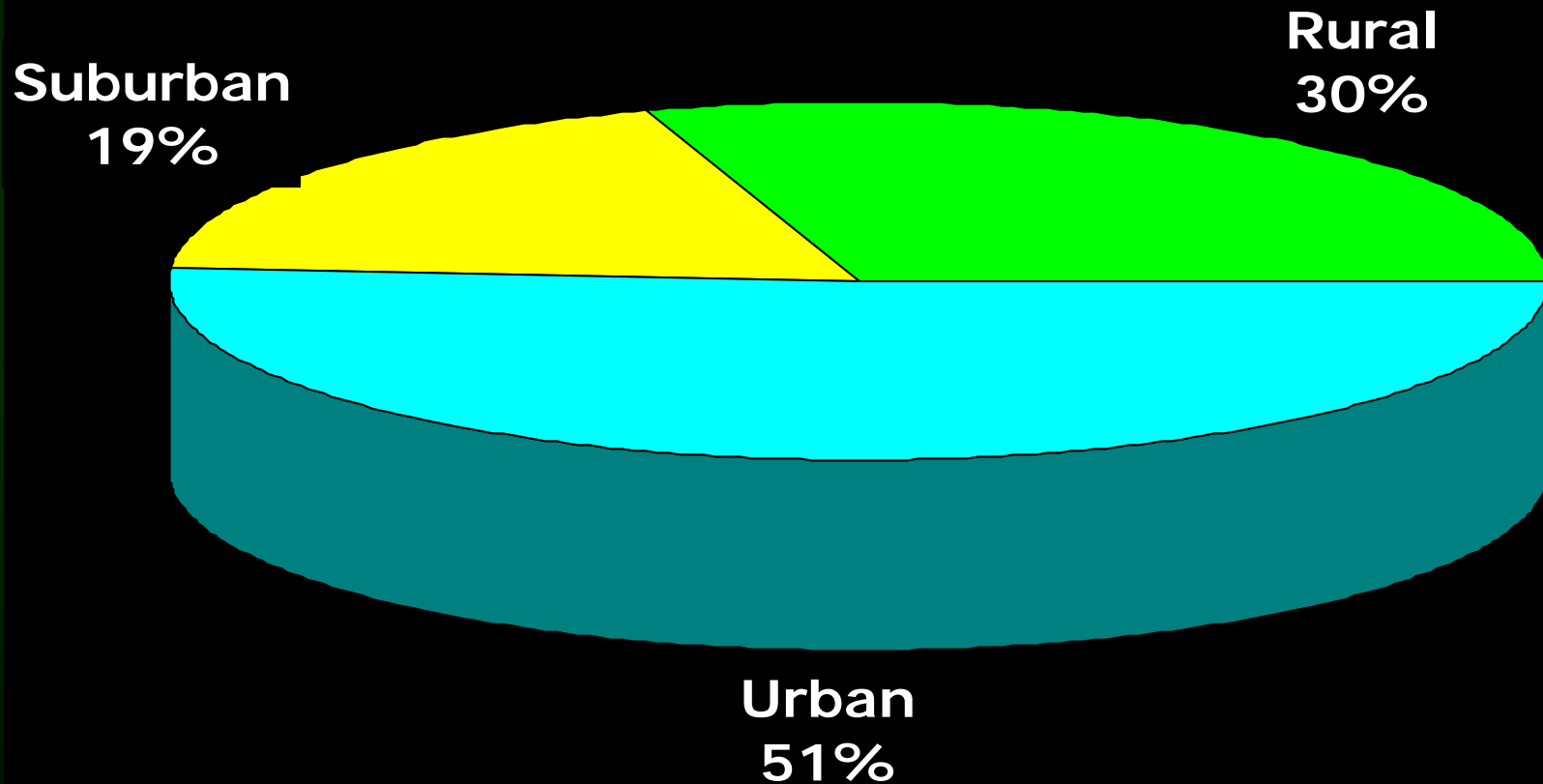(per 1,000 residents
aged 65 years or over)

165.1 or more
60.1 to 165.0
0.1 to 60.0
-53.9 to 0.0
-164.9 to -54.0
-165.0 or less

0 100 Miles

Source: U.S. Census Bureau, Census 2000.

Retirement Preferences

Suburban 19%
Rural 30%
Urban 51%

Share of Family Income
Spent On Housing & Transportation

Family Income = $35,000 - $50,000

	Housing	Transportation

	Housing	Transportation	Total
Central City	23 %	16 %	39 %
Near Jobs	26 %	23 %	49 %
Away From Jobs	25 %	26 %	51 %

Share of Family Income
Spent On Housing & Transportation

Family Income = $20,000 - $35,000

| | Housing | Transportation |

Central City	32 %	22 %	54 %
Near Jobs	35 %	31 %	66 %
Away From Jobs	33 %	37 %	70 %

Family Costs Rising Faster Than Incomes
(2000 – 2005)

Housing + 15.4 %

Transportation + 13.4 %

Income + 10.3 %

4 Essentials: Elder Mobility

Sustainable Communities

AARP: a livable community has:

➢ Affordable & appropriate housing
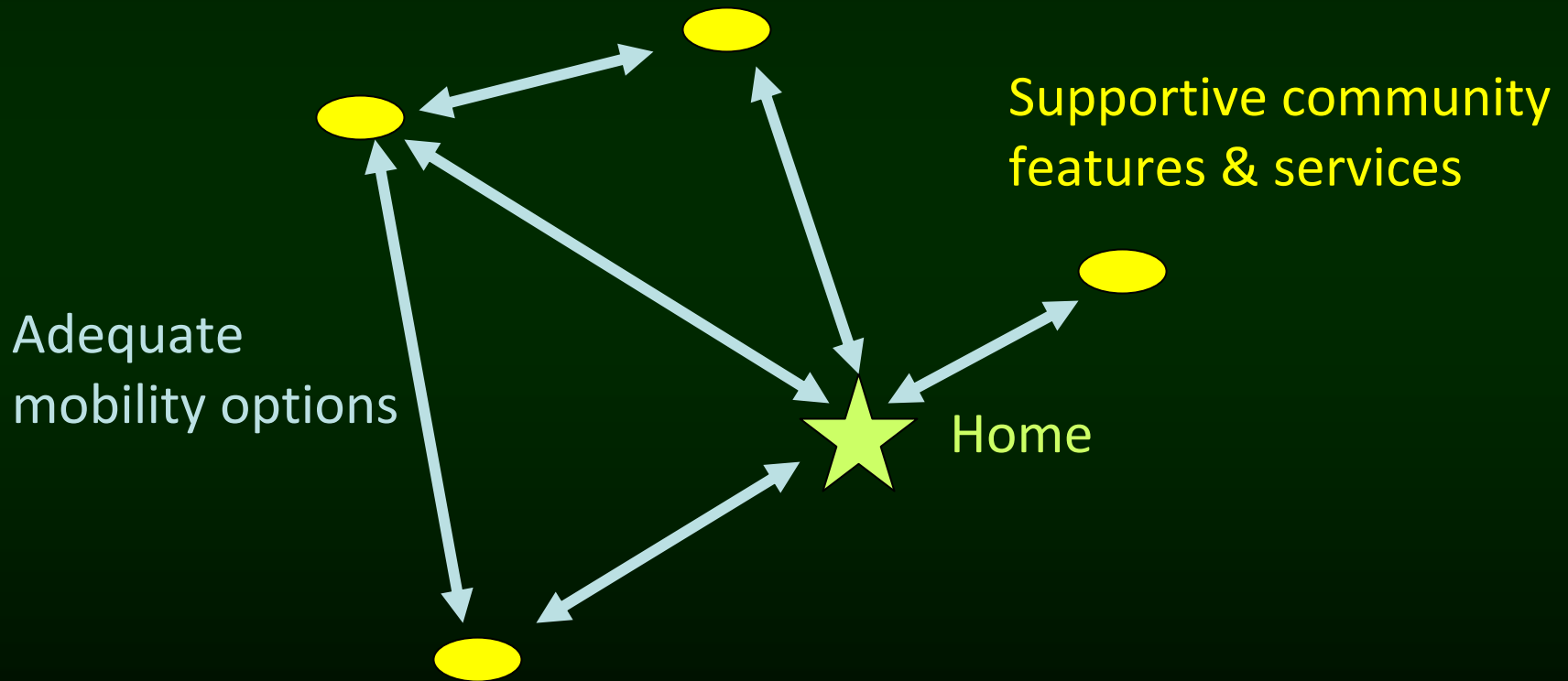
➢ Supportive community features & services

➢ Adequate mobility options

which together facilitate personal independence & the engagement of residents in civic and social life.

Livable Communities Model

Supportive community features & services

Adequate mobility options

Home

AARP: a livable community has:

➢ Affordable & appropriate housing

➢ Supportive community features & services

➢ Adequate mobility options

which together facilitate personal independence & the engagement of residents in civic and social life.

4 Essentials: Elder Mobility

1. Land use mix
2. Pedestrian supportive environment
3. Connected street network
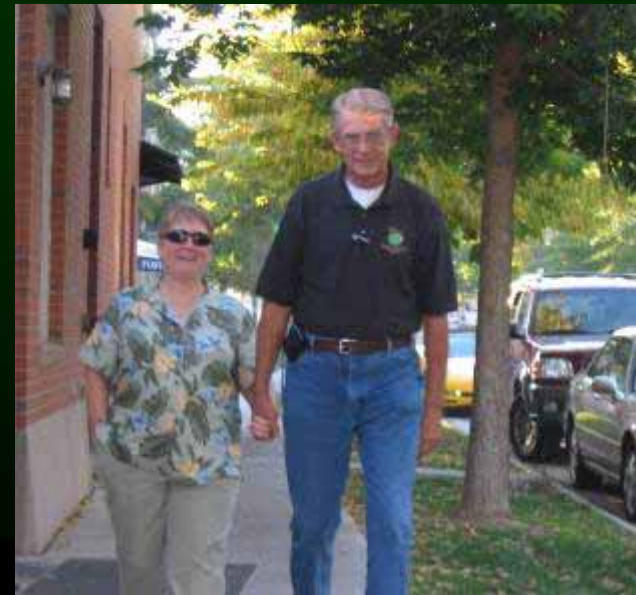4. High frequency transit service

1. Land Use Mix

4 Essentials: Elder Mobility

Supportive Community Features & Services

1. Active Living
2. Third Places
3. Convenience Retail
4. Provisions & Services
5. Family
6. Shopping
7. Medical
8. Cultural

1. Active Living

➢ Pedestrian-Oriented Environments

➢ Trails, Parks and Open Space

➢ Gyms and Exercise Facilities

2. Third Places

- ➢ Coffee Shops, Cafes
- ➢ Bookstores, Libraries
- ➢ Churches
- ➢ Bars
- ➢ Plazas, Parks
- ➢ Senior Centers

3. Convenience Retail

➢ Corner Market

➢ Convenience Store

4. Provisions & Services

- ➢ Grocery
- ➢ Bank
- ➢ Cleaners

5. Family

➢ Grandchildren
➢ Other Family Members

6. Shopping

- ➢ Hardware
- ➢ Clothing
- ➢ Book Store
- ➢ Optical
- ➢ Electronics

7. Medical

➢ Clinics, Doctors

➢ Hospitals

➢ Pharmacy

➢ Physical Therapy

➢ Opticians

➢ Other Specialists

8. Cultural

- Theater
- Movie Theater
- Museums
- Symphony
- Art Gallery
- Restaurants

Destination Frequency

	Daily	Weekly	Monthly
1. Active Living	X		
2. Third Places	X		
3. Convenience	X		
4. Provisions		X	
5. Family		X	
6. Shopping		X	
7. Medical			X
8. Cultural			X

Elder Means of Access

- ➤ Walking (and Bicycling)
- ➤ Frequent Fixed Route Transit (< 20 m)
- ➤ Auto Driver
- ➤ Infrequent Fixed Route Transit (> 60 m)
- ➤ Special Services Transit
- ➤ Auto Passenger

Destination Frequency

	Daily	Weekly	Monthly
1. Active Living	X		
2. Third Places	X		
3. Convenience	X		
4. Provisions		X	
5. Family		X	
6. Shopping		X	
7. Medical			X
8. Cultural			X

Should be within walking distance

Destination Frequency

	Daily	Weekly	Monthly
1. Active Living	X		
2. Third Places	X		
3. Convenience	X		
4. Provisions		X	
5. Family		X	
6. Shopping		X	
7. Medical			X
8. Cultural			X

Should be accessible by fixed route transit

2. *Pedestrian Supportive Environment*

4 Essentials: Elder Mobility

Note: ADA & Universal Design

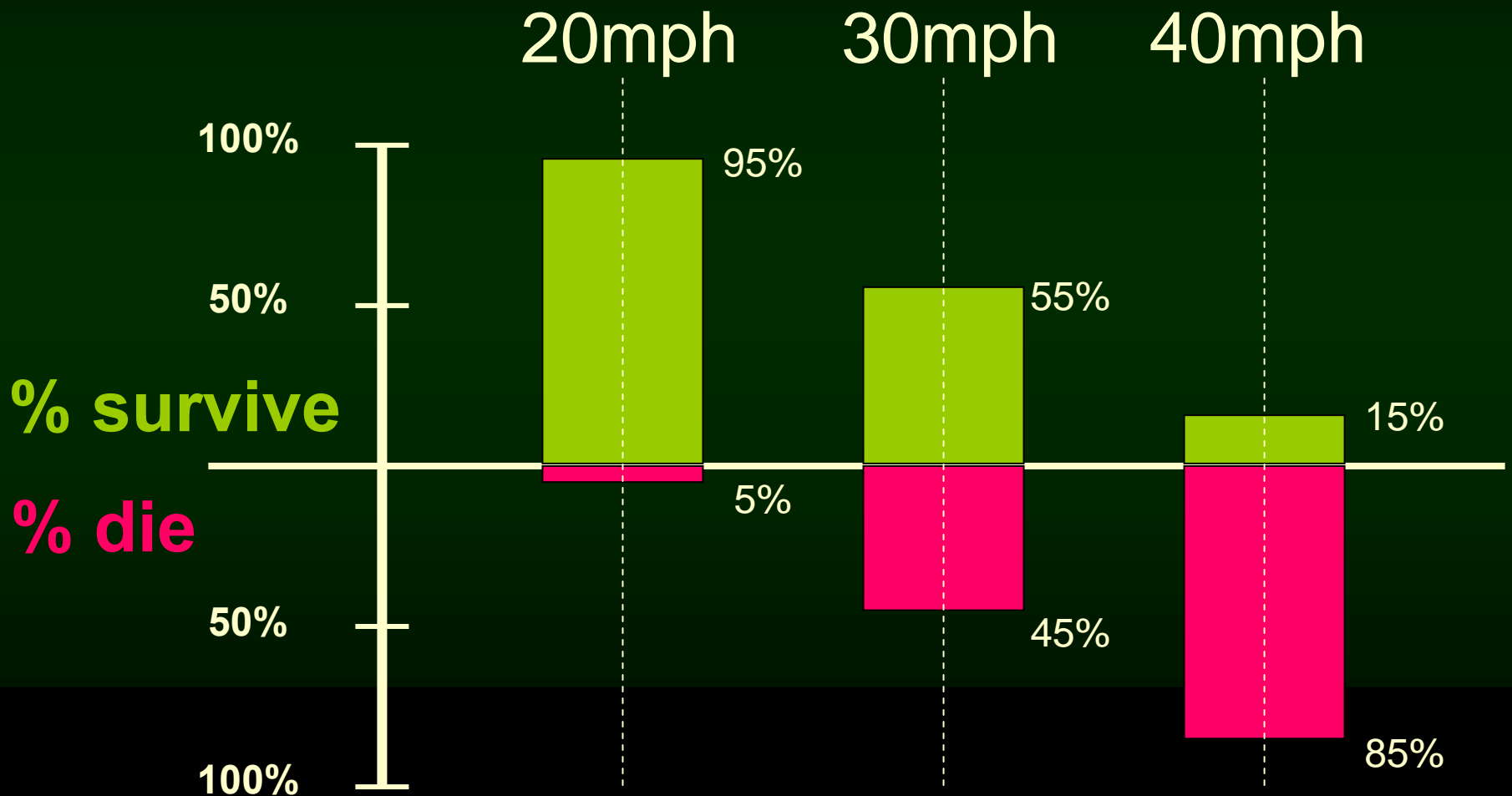# "Pedestrian-Friendly"

Pedestrian Environment Continuum

Pedestrian Friendliness

Pedestrian Place/District

Pedestrian Supportive Environment

Pedestrian Tolerant Environment

Pedestrian Intolerant Environment

Pedestrian Environment Factors

➤ Safety & Security

➤ Street Crossings

➤ Street Design – Scale, Speed

➤ Pedestrian Realm Design – Scale, Layout

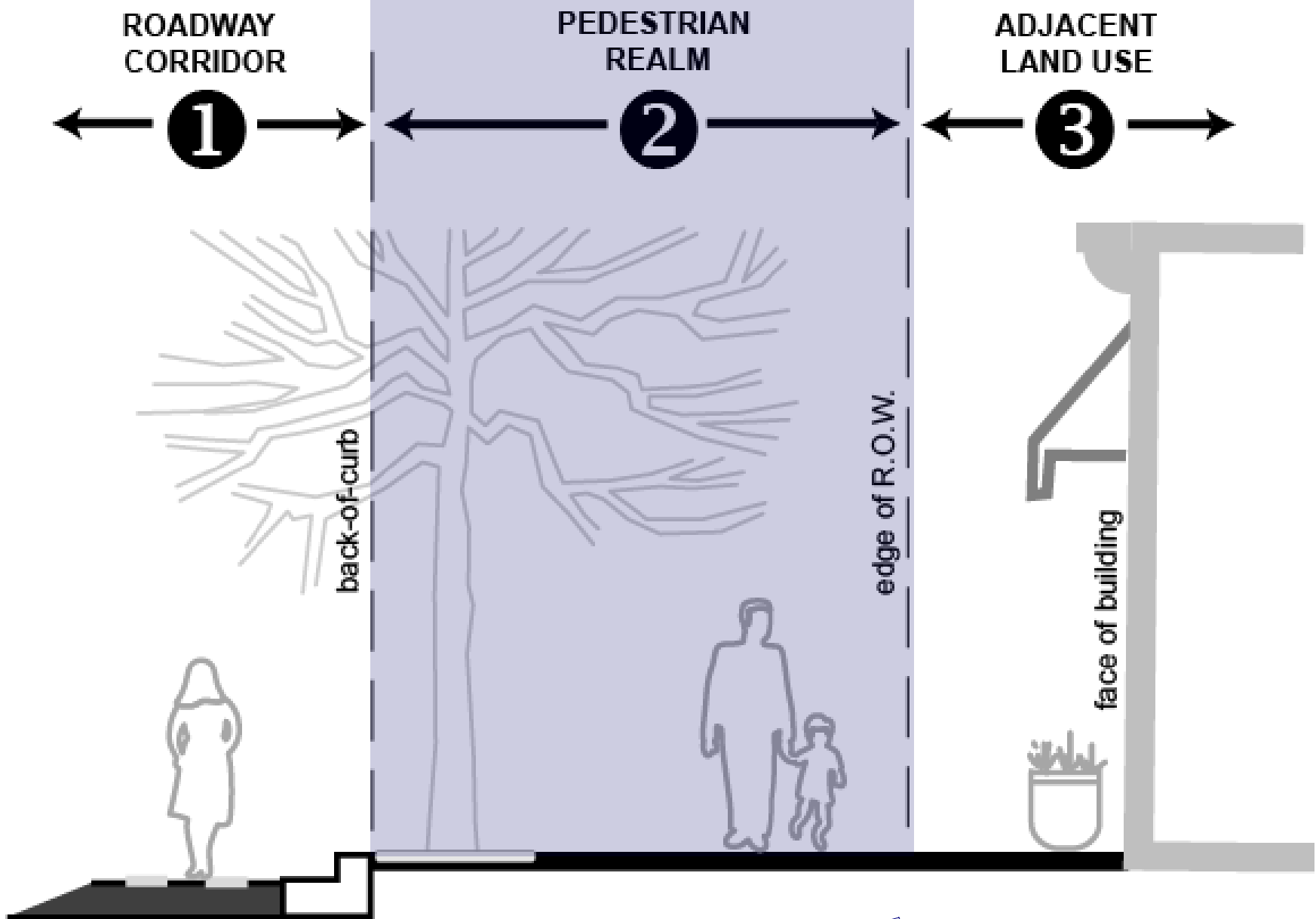➤ Urban Design – Street Walls, Bldg Scale

➤ Land Use Mix

➤ Trees, Canopies, Awnings

ALOHA

Honolulu

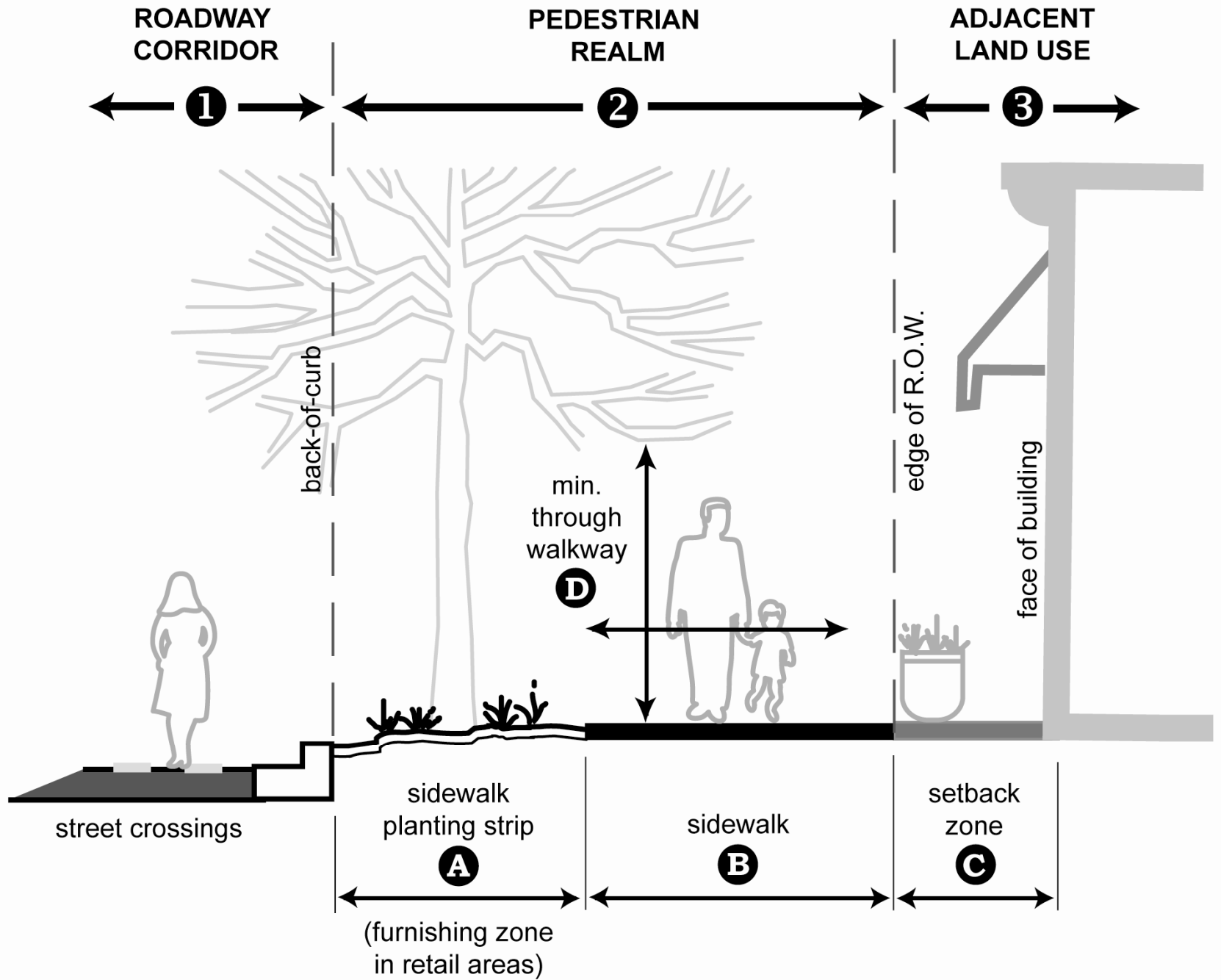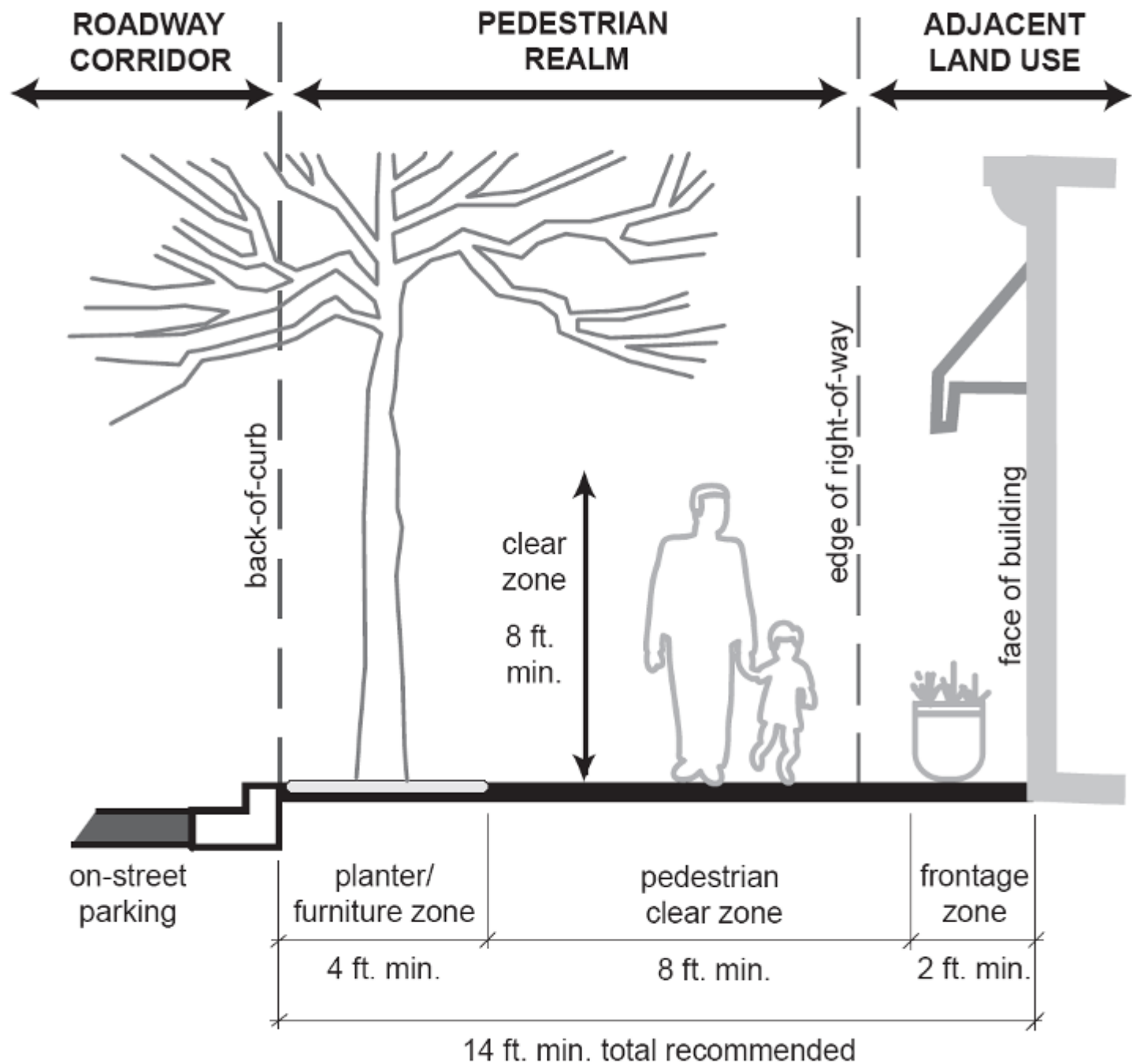Pedestrian Survival Rates – ∫ Vehicle Speed

Aurora, CO

ROADWAY CORRIDOR ← ❶ →   PEDESTRIAN REALM ← ❷ →   ADJACENT LAND USE ← ❸ →

back-of-curb

edge of R.O.W.

face of building

ROADWAY CORRIDOR ❶

PEDESTRIAN REALM ❷

ADJACENT LAND USE ❸

back-of-curb

edge of R.O.W.

face of building

min. through walkway ❶

street crossings

sidewalk planting strip ❶

sidewalk ❶

setback zone ❶

(furnishing zone in retail areas)

ROADWAY CORRIDOR   PEDESTRIAN REALM   ADJACENT LAND USE

back-of-curb

clear zone
8 ft. min.

edge of right-of-way

face of building

on-street parking

planter/ furniture zone
4 ft. min.

pedestrian clear zone
8 ft. min.

frontage zone
2 ft. min.

14 ft. min. total recommended

Redmond, WA

SPEED
LIMIT
30

NO
PARKING
ANY
TIME

FOR SALE
WILL SUBDIVIDE

(314)
739-6262

St. Louis region

Pedestrian Place

Boulder

Miami Beach, FL

Pedestrian Place

Redmond

Pedestrian Supportive

Mt. Vernon, IA

Pedestrian Supportive

Longmont

Pedestrian Supportive

Pedestrian Supportive

Redmond

Pedestrian Tolerant

Pedestrian Tolerant

Maui

Pedestrian Tolerant
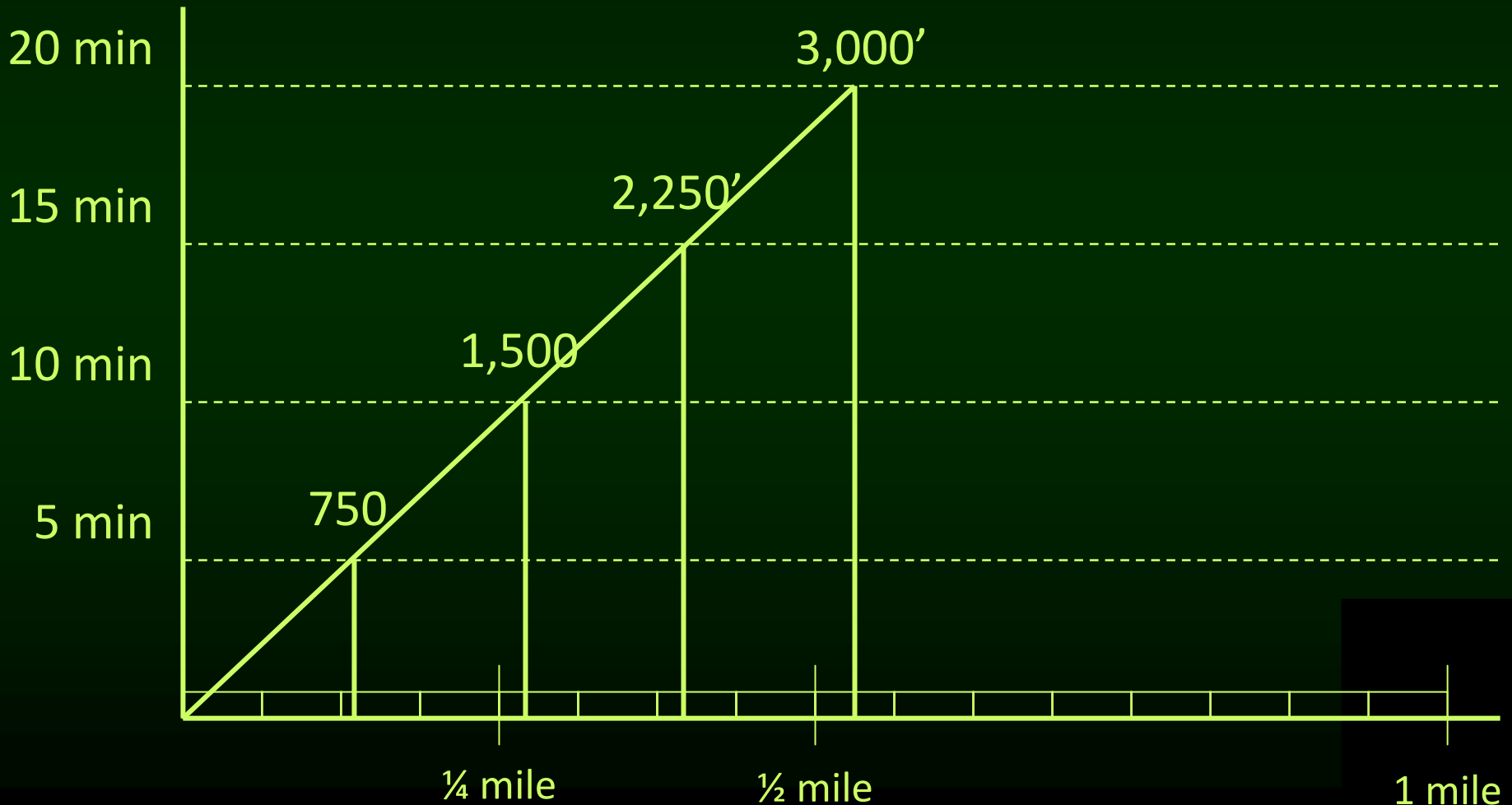
Pedestrian Tolerant

Longmont

Pedestrian Intolerant

Longmont

Pedestrian Intolerant

Maui

Pedestrian Intolerant

Pedestrian Intolerant

Maui

Pedestrian Intolerant

Walk Propensity

Utilitarian Trips

Walk Distances @ 250 fpm

Walk Distances @ 200 fpm

Walk Distances @ 150 fpm

Walk Distances @ 100 fpm

3. *Connected Street Network*

4 Essentials: Elder Mobility

Windsor, CO – Old Town

Windsor, CO – After 1990

Path Index

Shortest feasible route on streets & trails

$$\div$$

Straight line distance (as the crow flies)
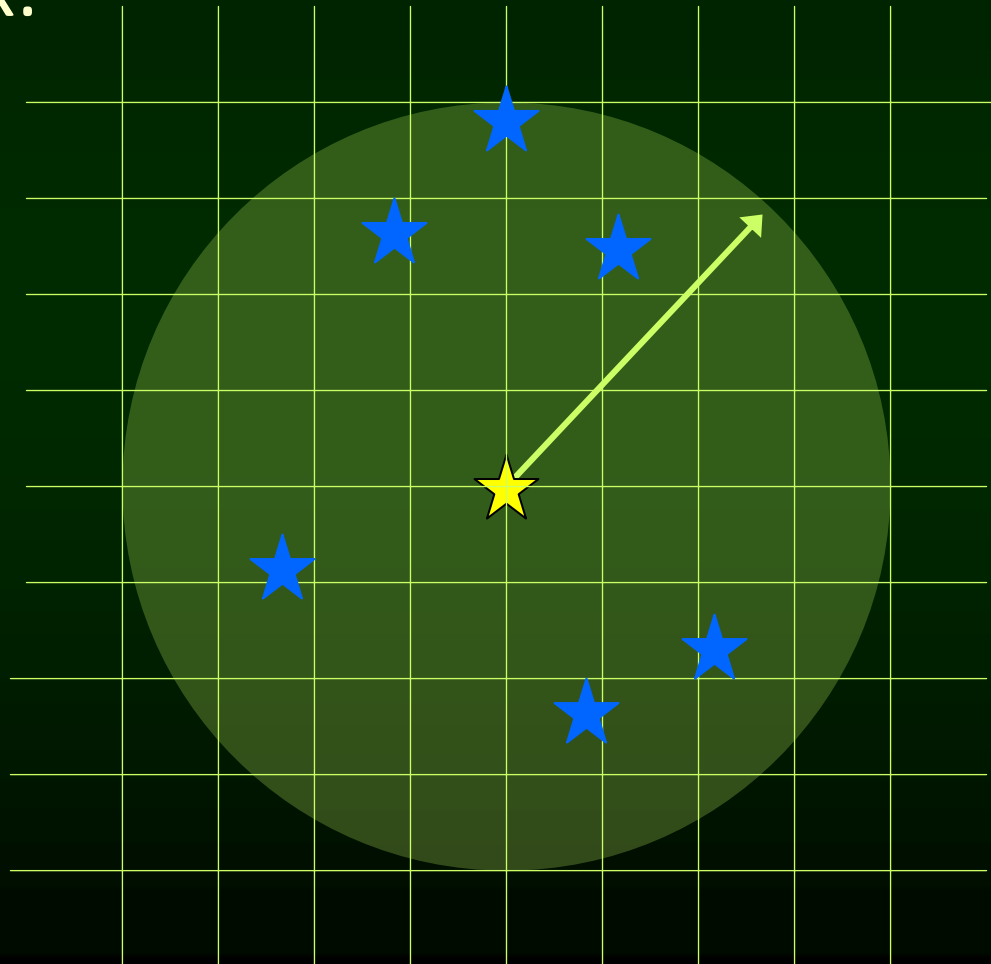
2100 feet

500 feet

Path Index: 4.2

5 – 7 Minute Walk

1. Active Living

2. Third Places

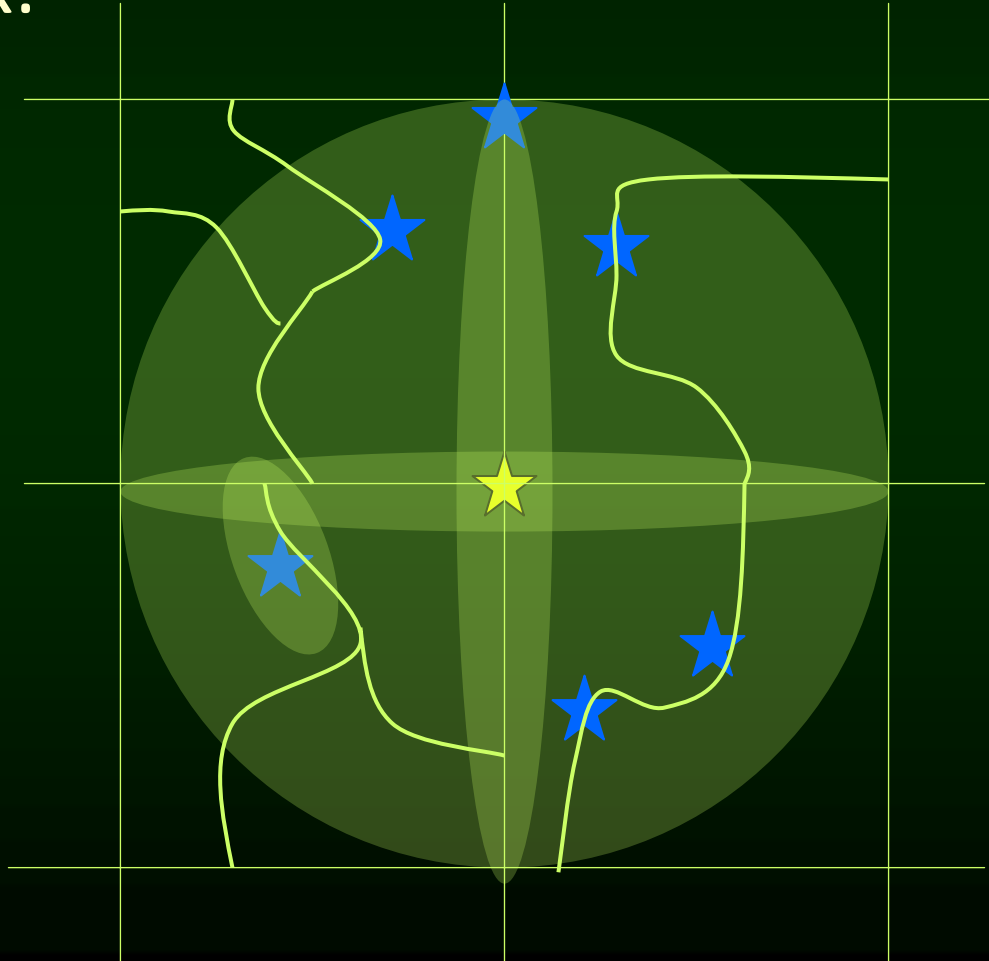3. Convenience Retail

5 – 7 Minute Walk

Path Index:
1 to 1.4

¼ Mile

5 – 7 Minute Walk

Path Index:

1 to 4.5

4. *High Frequency Transit Network*
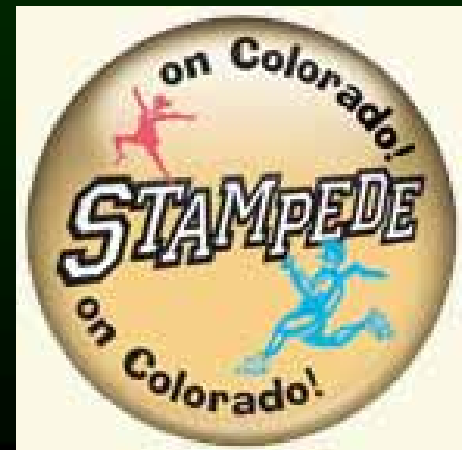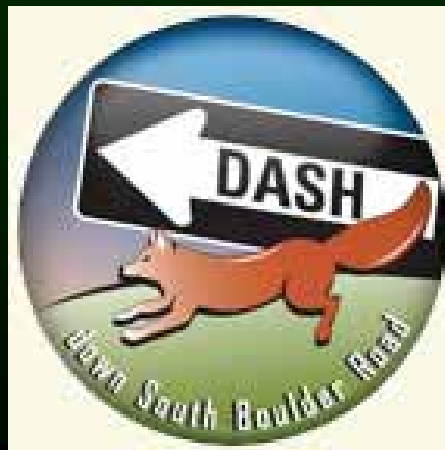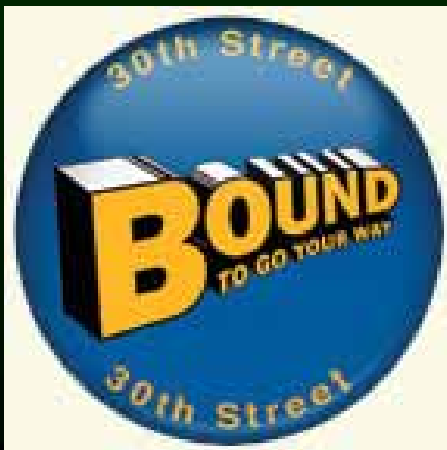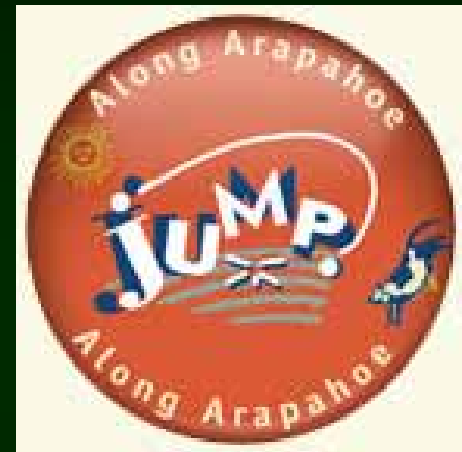
4 Essentials: Elder Mobility

High Frequency Transit Networks

➢ Peak service < 15 minute headways

➢ Network of routes

➢ Accessible vehicles

Boulder Community Transit Network

Community Transit Network

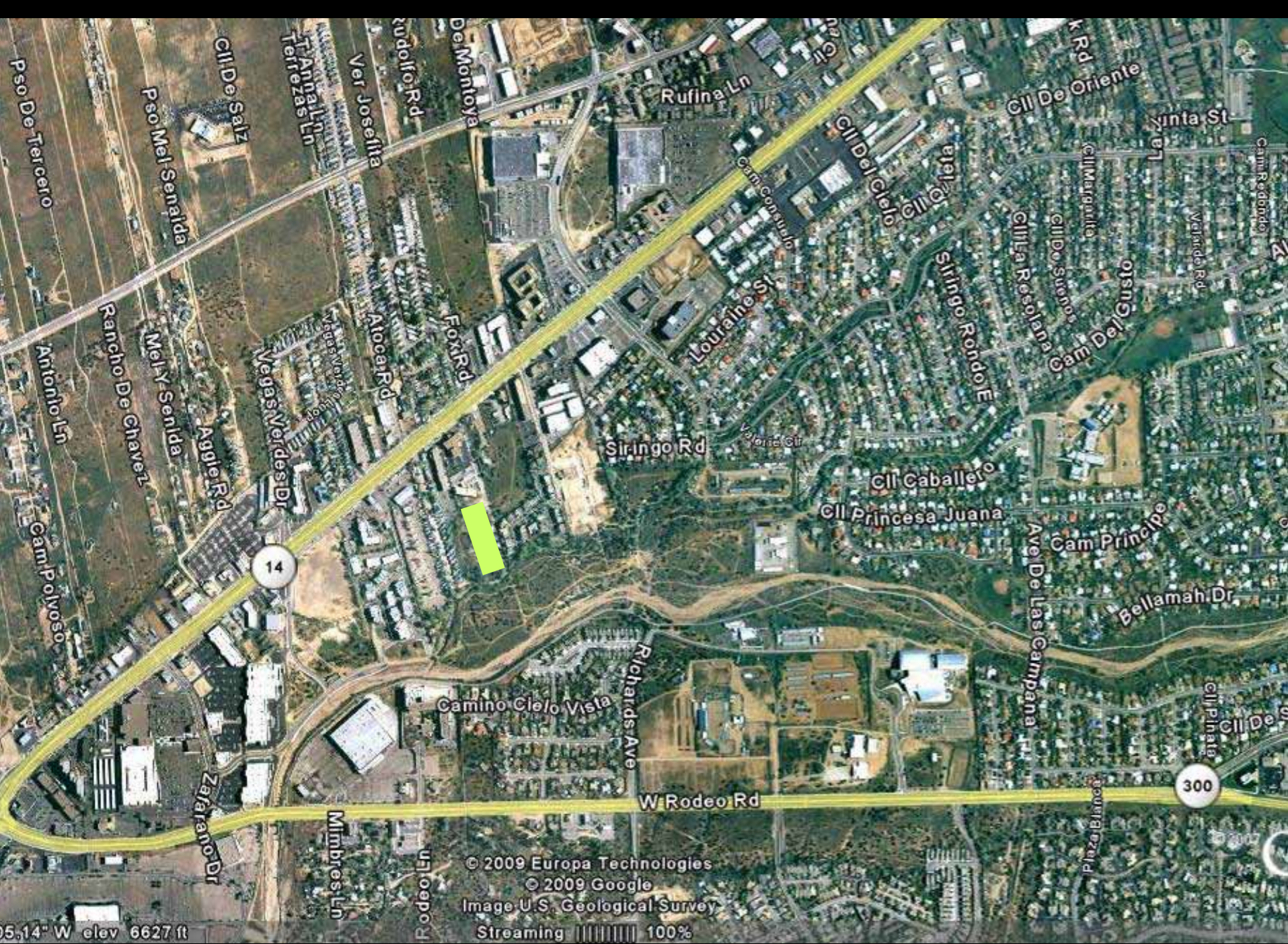# Boulder Community Transit Network

Portland, Oregon

Suggested Mobility Criteria

Livable Communities

Suggested Mobility Criteria

➢ Mixed Use Development Pattern

- Minimum: active living + third places + convenience retail within ¼ mile

➢ Pedestrian Environment

- Minimum: pedestrian supportive
- No nearby highway or freeway barriers

➢ Connected Networks

- Maximum 2.0 average path index (goal 1.4)
- Minimum 150 intersections/sq mi (goal > 200)

➢ High Frequency Transit Network

- Minimum: 15 minute peak service
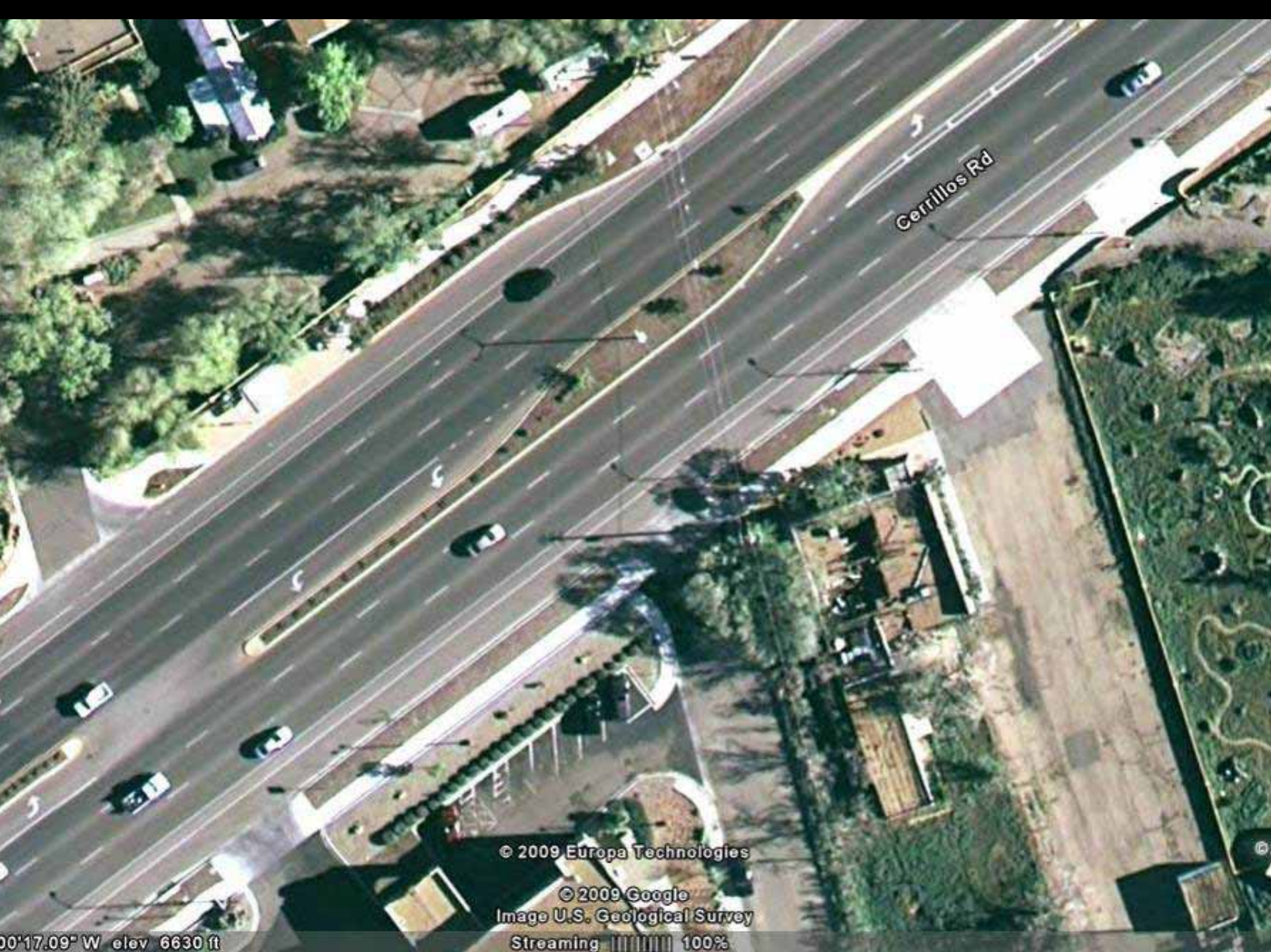- Network, not radial hub & spoke

Walk Score:

62 out of 100

"Somewhat Walkable"

Cerrillos Rd

00'17.09" W elev 6630 ft

Downtown Transit Center

Railyard Station

South Capitol Station

Zia Road Station

Santa Fe Place

NM 599 Station

Route_1
Route_2
Route_4
Route_5
Route_6
Route_21
Route_22
Route_24
Route_M
Santa Fe Pick Up
NM 599 Station Shuttle
South Capitol Shuttle
Rail Runner
NM Park & Ride
NCRTD
shell
Existing/Under Construction RR Stations
Transfer Centers

Miles
0   0.5   1

Mobility Criteria: ElderGrace

- Mixed Use Development Pattern – limited
- Pedestrian Supportive Environment - no
- Connected Networks – no
- High Frequency Transit Network - good

Thanking You

More Information

www.charlier.org