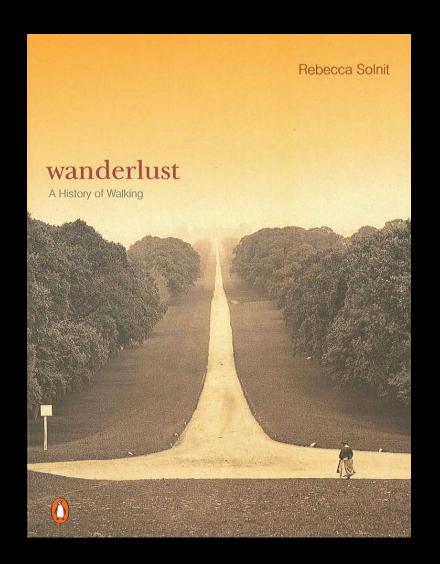


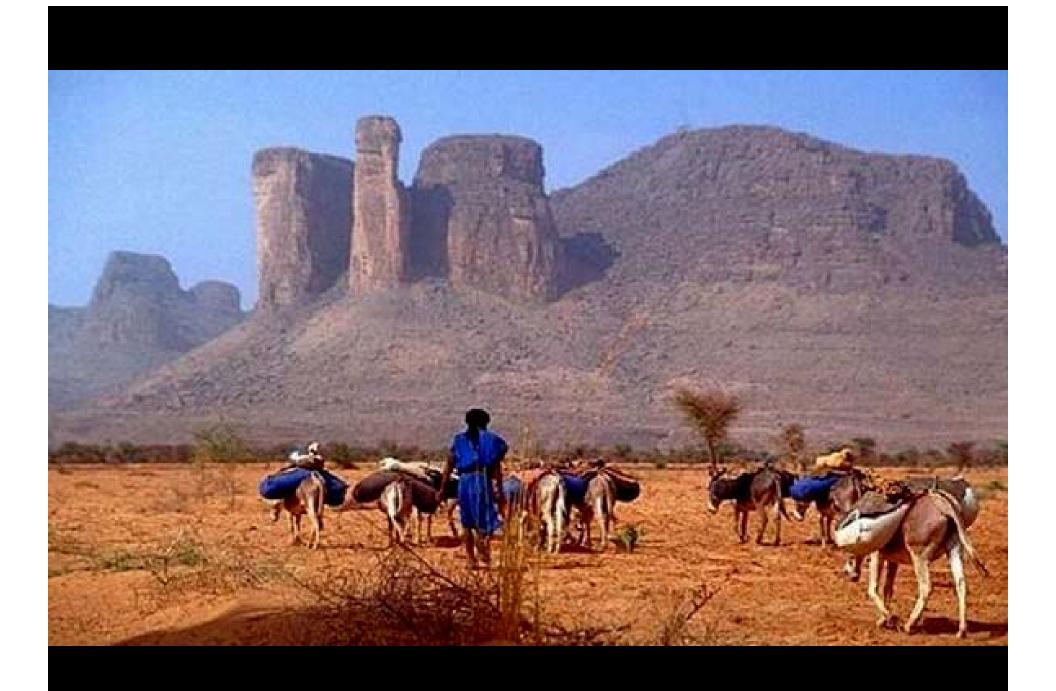
Terri L. Musser, AICP Charlier Associates, Inc.

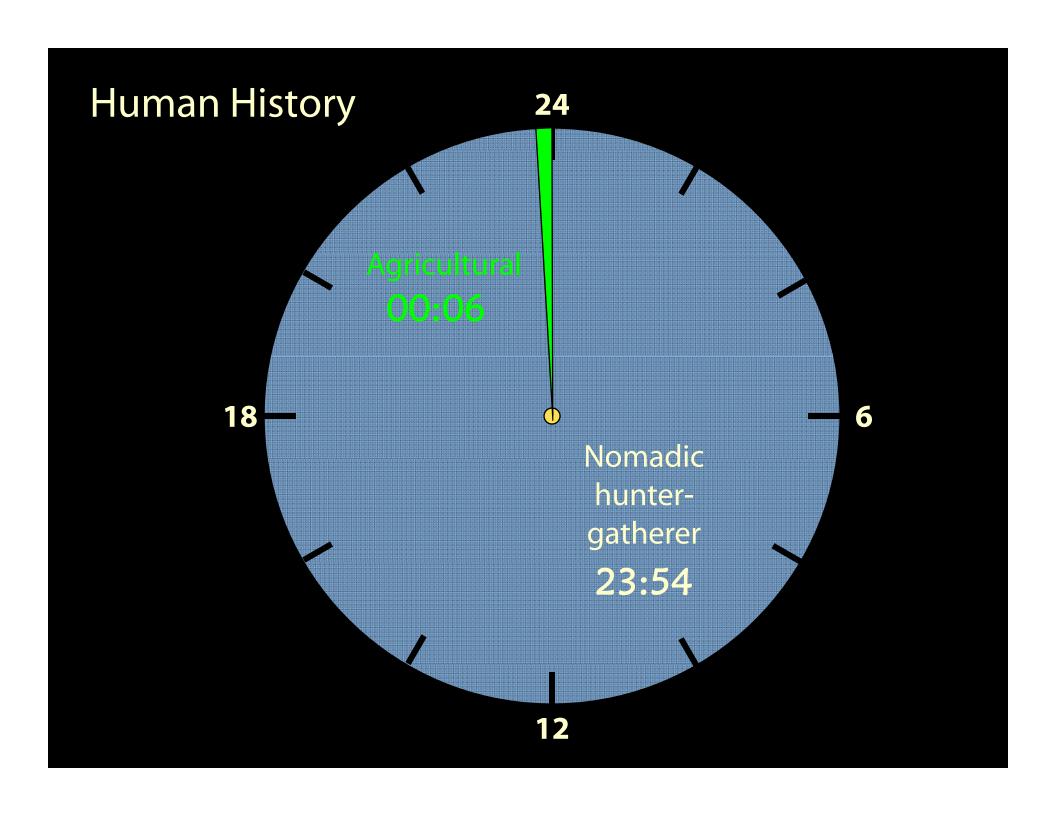
MAKING ALL STREETS MORE PEDESTRIAN ORIENTED



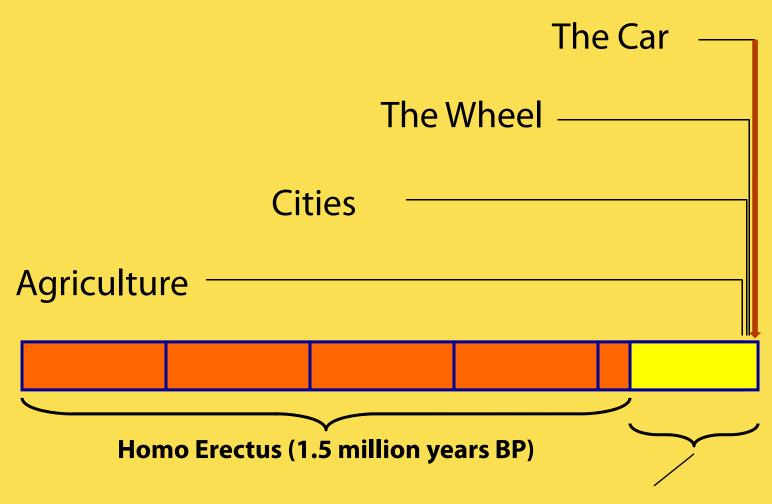


The Pace of Thoughts





Human History



Homo Sapiens Sapiens (190,000 years BP)





Moms Become Cab Drivers

Everything is a Drive Away

Suburban mothers spend 17 full days a year

behind the wheel, more than the average parent spends dressing, bathing and feeding a child

Source: Surface Transportation Policy Project

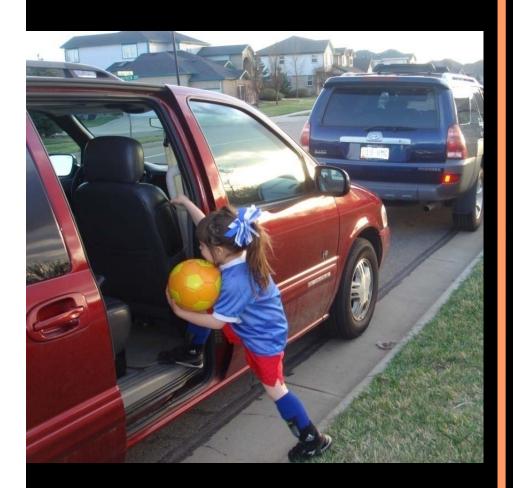
Home

Recreation

Workplace







Life at > 35 mph



Life at < 3.5 mph







Life at < 3.5 mph

"Communities should be designed for the **pedestrian**....

- 8. The physical organization of the region should be supported by a framework of transportation alternatives. Transit, **pedestrian**, and bicycle systems should maximize access and mobility throughout the region while reducing dependence upon the automobile.
- 12. Many activities of daily living should occur within **walking** distance, allowing independence to those who do not drive, especially the elderly and the young. Interconnected networks of streets should be designed to encourage **walking**, reduce the number and length of automobile trips, and conserve energy.
- 15. Appropriate building densities and land uses should be within **walking** distance of transit stops, permitting public transit to be come a viable alternative to the automobile.
- 16. Schools should be sized and located to enable children to walk or bicycle to them.
- 23. Streets and squares should be safe, comfortable, and interesting to the **pedestrian**. Properly configured, they encourage **walking** and enable neighbors to know each other and protect their communities."

How do we effectively address walking?

Reasons **why** people walk Environments **where** people walk Relationships across the **Transect**

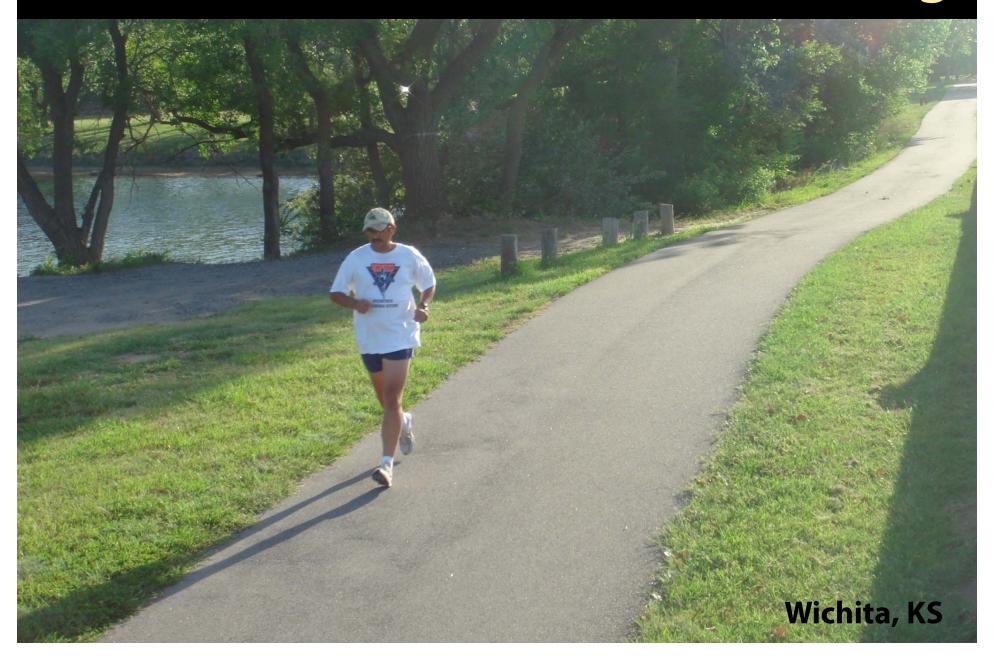
Types of Walking

- Utilitarian Walking
- Rambling
- Strolling, Lingering
- Promenading
- Special Events

Utilitarian Walking



Rambling



Strolling, Lingering



Promenading



Special Events



Types of Pedestrian Environments



Pedestrian Place/District

Pedestrian Supportive Environment

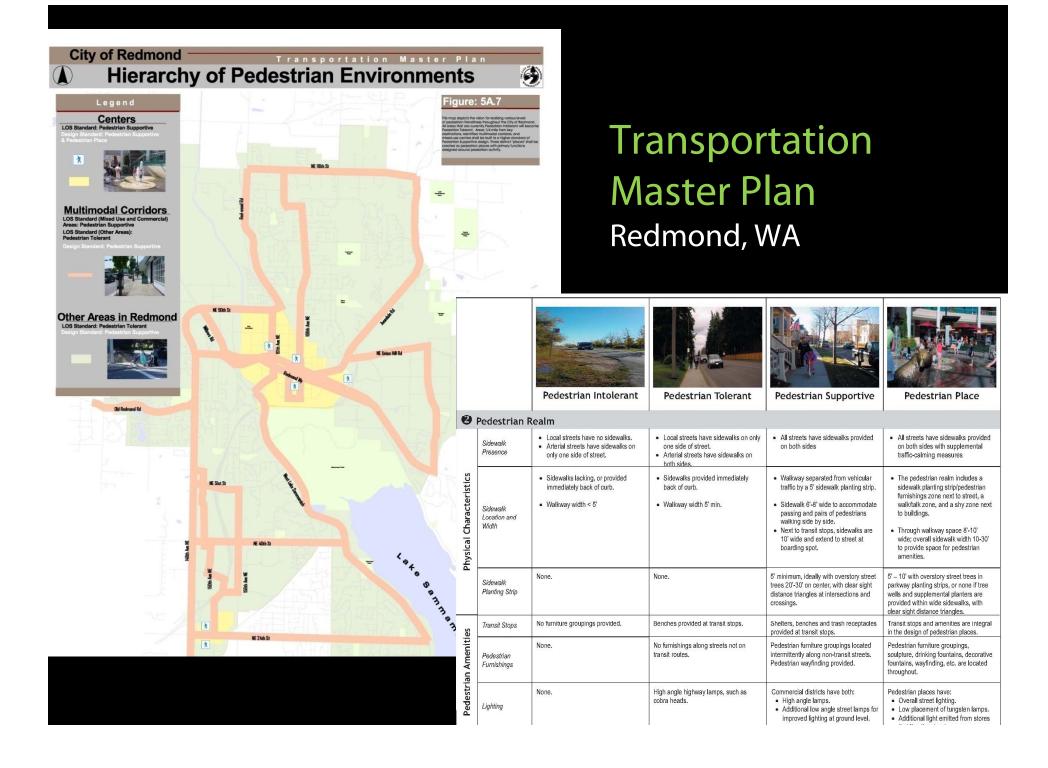
Pedestrian Tolerant Environment

Pedestrian Intolerant Environment

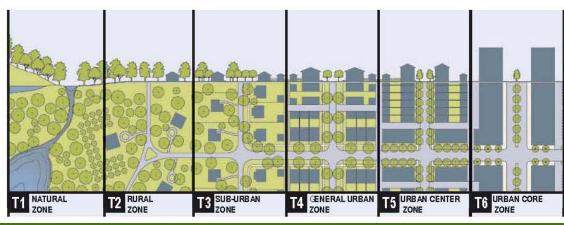
MINE

"Pedestrian Science"

Walk Environments and Types of Walking **Utilitarian** Walking **Rambling Number of Pedestrians** Strolling, Lingering, Promenade, **Special Events** Pedestrian Pedestrian Pedestrian Pedestrian Supportive Tolerant Intolerant Place

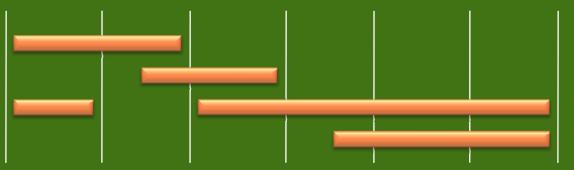


Types of Pedestrian Environments



Pedestrian Intolerant
Pedestrian Tolerant
Pedestrian Supportive
Pedestrian Place

MARTIN

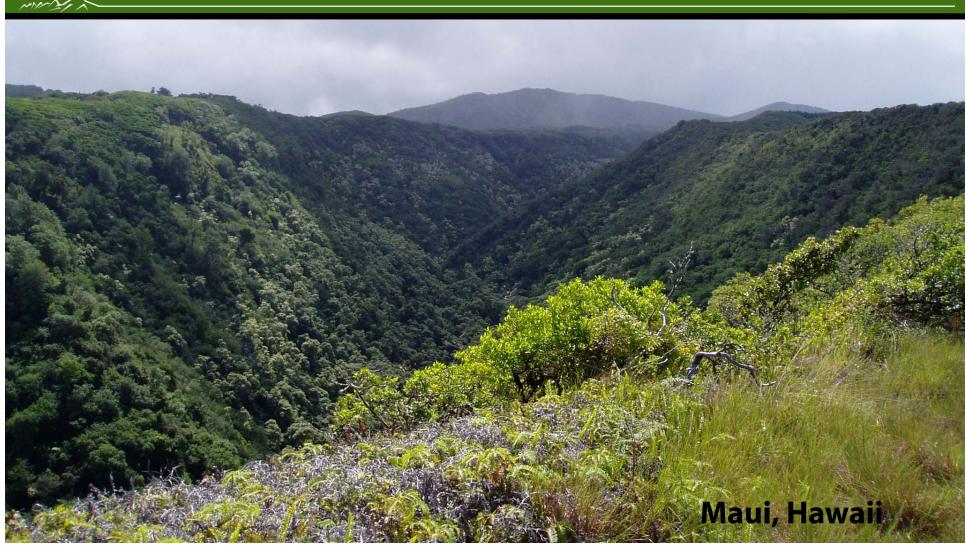


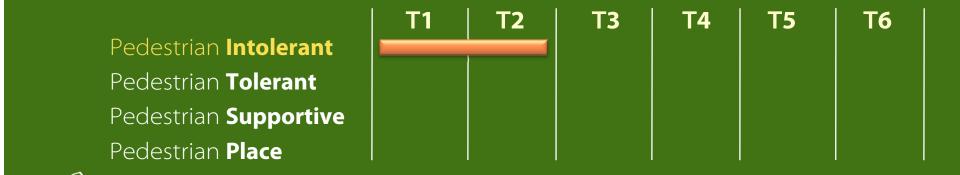
Pedestrian Intolerant

- Any land use
- Very little if any walking
- Motor vehicles dominate
- Unsafe, unpleasant

.... not a place I want to be

	T1	T2	T3	T4	T5	T6	
Pedestrian Intolerant							
Pedestrian Tolerant							
Pedestrian Supportive							
Pedestrian Place							
. ^							



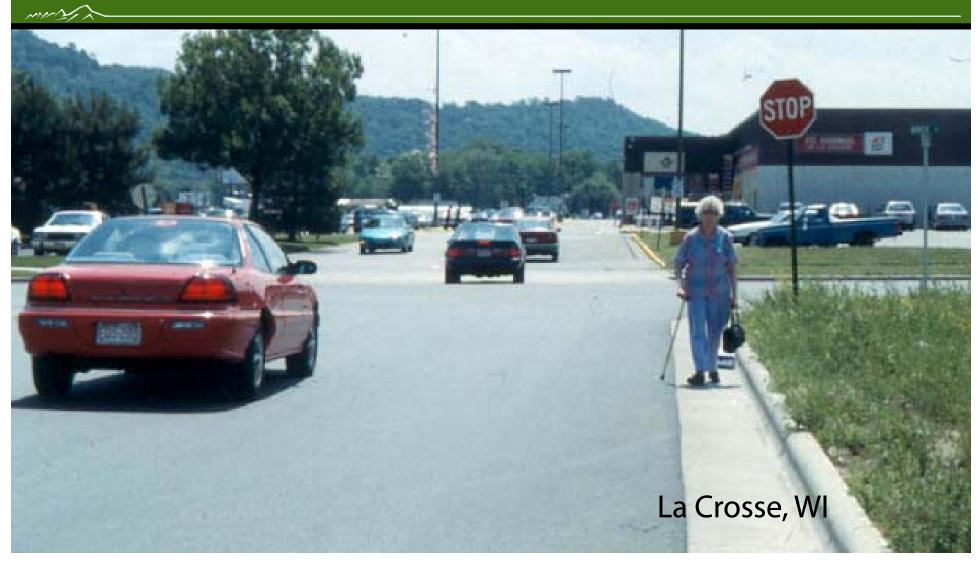




	T1	T2	T3	T4	T5	T6
Pedestrian Intolerant		1			1	
Pedestrian Tolerant						
Pedestrian Supportive						
Pedestrian Place						



	T1	T2	T3	T4	T5	T6
Pedestrian Intolerant						
Pedestrian Tolerant						
Pedestrian Supportive						
Pedestrian Place						



	T1	T2	T3	T4	T5	T6
Pedestrian Intolerant						
Pedestrian Tolerant						
Pedestrian Supportive						
Pedestrian Place						



	T1	T2	T3	T4	T5	T6
Pedestrian Intolerant						
Pedestrian Tolerant						
Pedestrian Supportive						
Pedestrian Place						



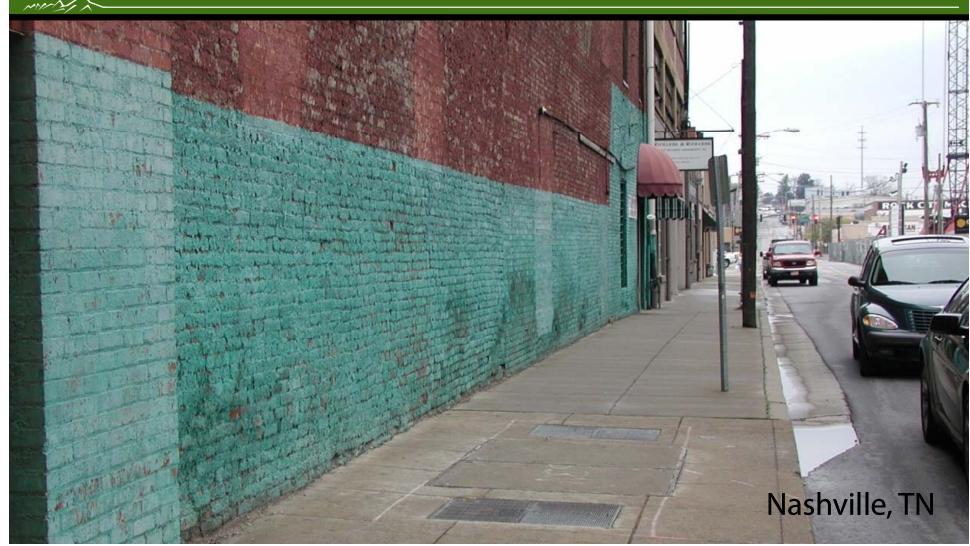
Pedestrian Tolerant

- All land uses except freeway and limited special uses (airport runway, garbage dump, etc.)
- Utilitarian walking and rambling only
- Motor vehicles are present and tend to dominate
- Minimal levels of accommodation
 - ... I don't really feel like I belong here

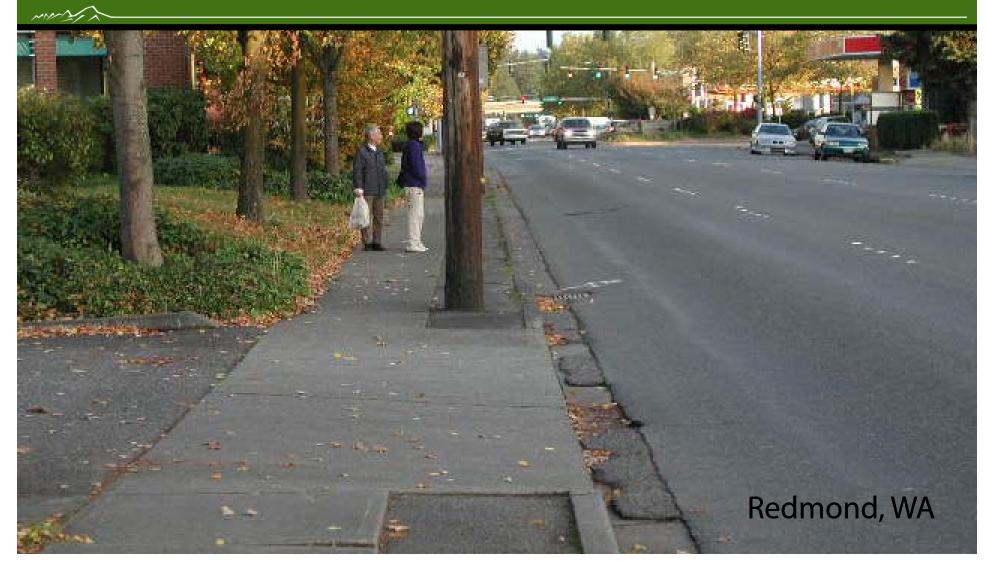
	T1	T2	T3	T4	T5	T6	
Pedestrian Intolerant							
Pedestrian Tolerant							
Pedestrian Supportive							
Pedestrian Place							

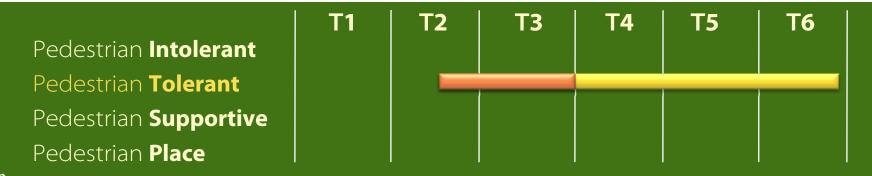


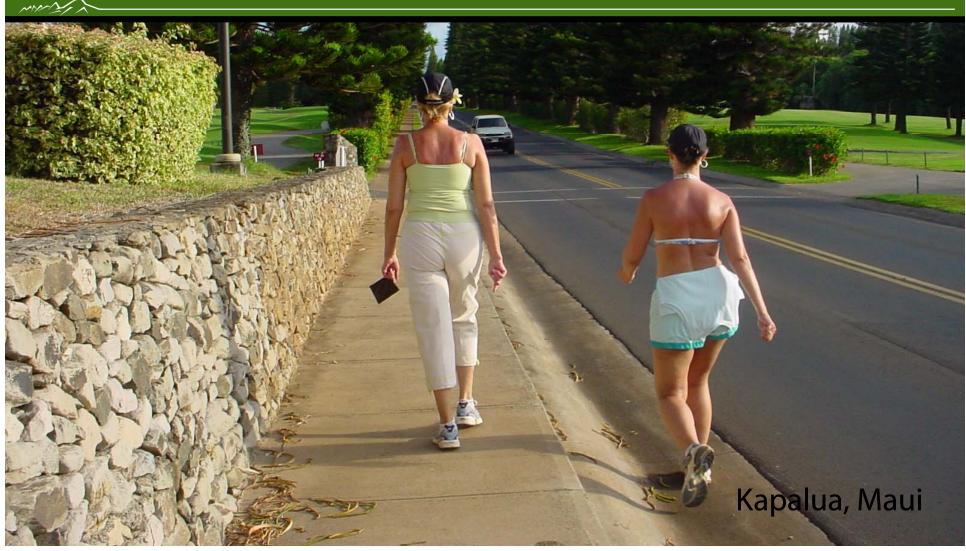




	T1	T2	T3	T4	T5	T6
Pedestrian Intolerant						
Pedestrian Tolerant			<u> </u>			
Pedestrian Supportive						
Pedestrian Place						





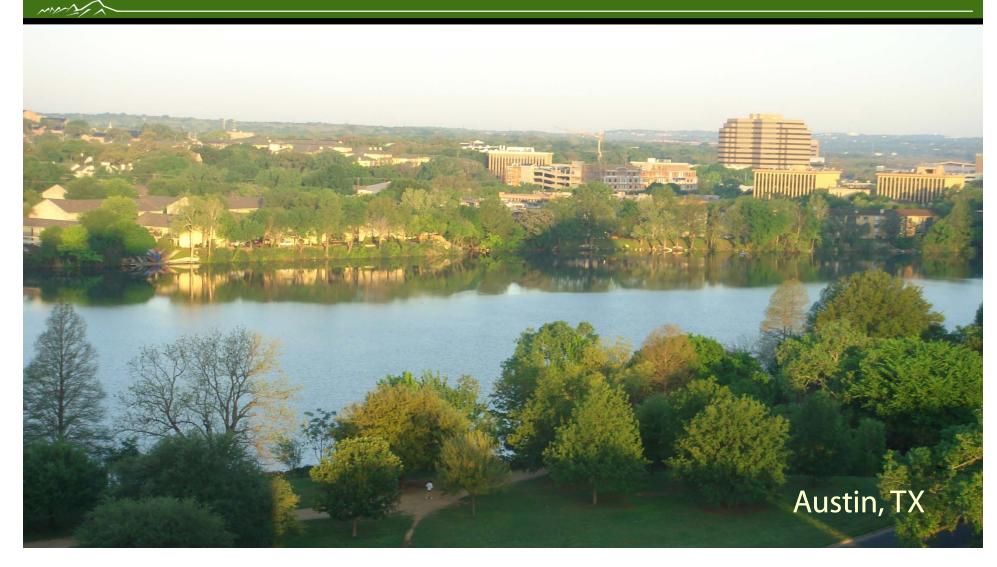


Pedestrian Supportive

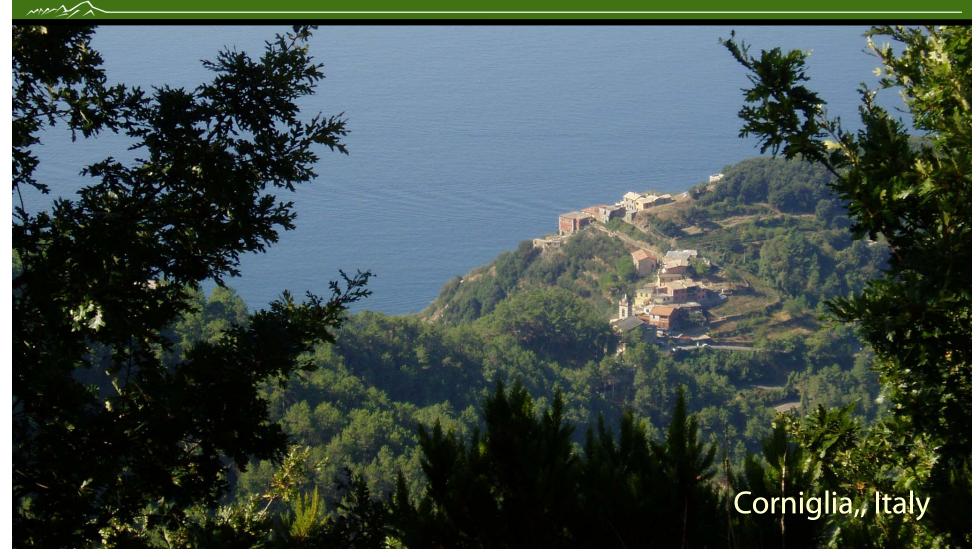
- Commercial, recreational, institutional or residential setting – most but not all land uses
- May include gathering PLACES
- Pedestrians present at busy times
- Motor vehicles can be present, but may not dominate

.... an 8-year old could be independently mobile

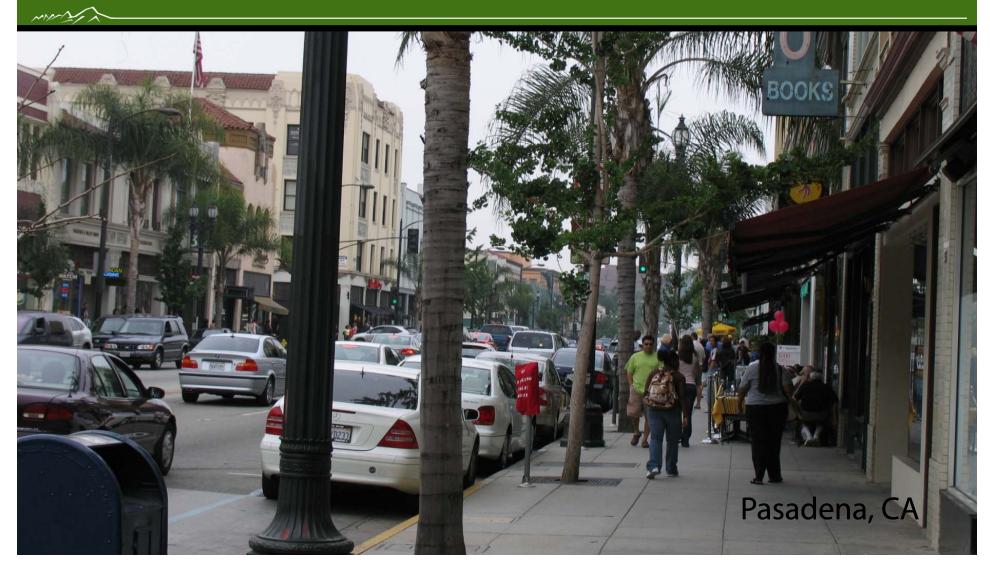
	T1	T2	T3	T4	T5	T6	
Pedestrian Intolerant							
Pedestrian Tolerant							
Pedestrian Supportive							
Pedestrian Place							

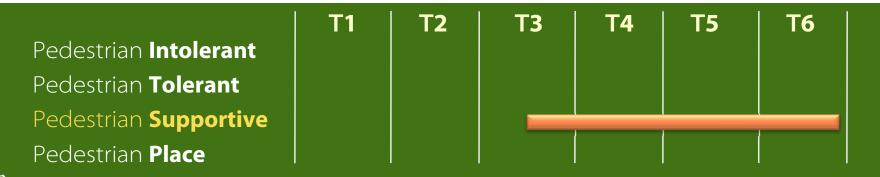


	T1	T2	T3	T4	T5	T6	
Pedestrian Intolerant							
Pedestrian Tolerant							
Pedestrian Supportive							
Pedestrian Place							



	T1	T2	T3	T4	T5	T6	
Pedestrian Intolerant							
Pedestrian Tolerant							
Pedestrian Supportive			_				
Pedestrian Place							





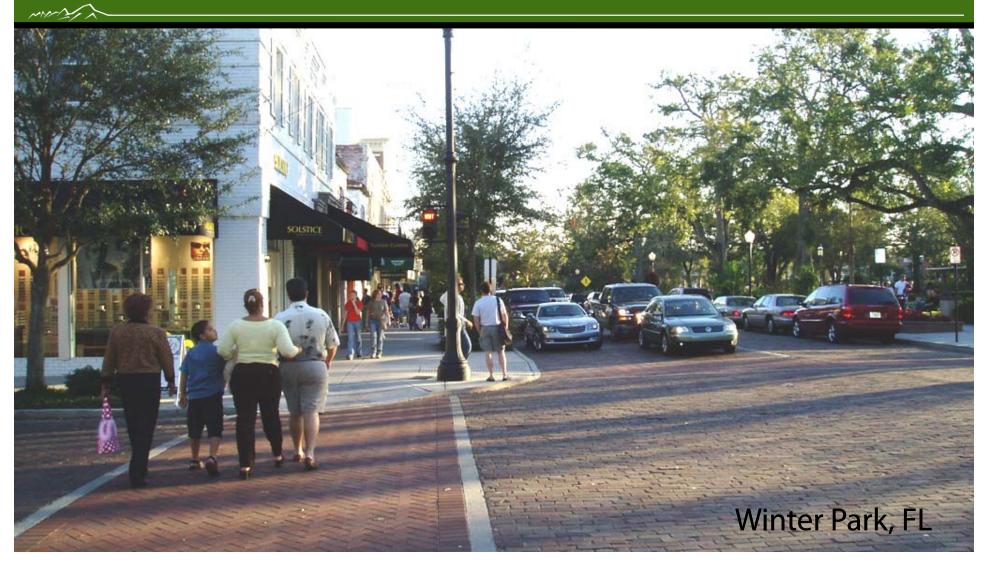


Pedestrian Place

- Commercial, recreational or institutional setting (not residential)
- Gathering place identifiable as a PLACE
- Significant pedestrian presence
- Motor vehicles can be present, but may not dominate
- Substantial supportive transportation systems required (parking, transit, bike)

.... where you take out-of-town visitors

	T1	T2	T3	T4	T5	T6	
Pedestrian Intolerant							
Pedestrian Tolerant							
Pedestrian Supportive							
Pedestrian Place				_			



	T1	T2	T3	T4	T5	T6
Pedestrian Intolerant						
Pedestrian Tolerant						
Pedestrian Supportive						
Pedestrian Place				_		

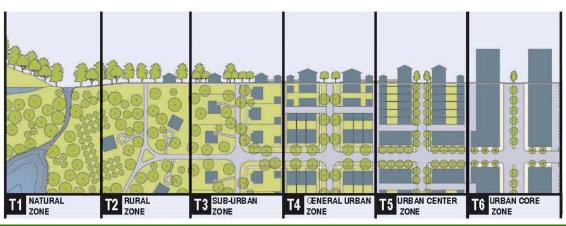


	T1	T2	T3	T4	T5	T6
Pedestrian Intolerant						
Pedestrian Tolerant						
Pedestrian Supportive						
Pedestrian Place						

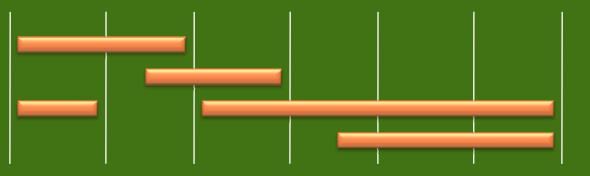


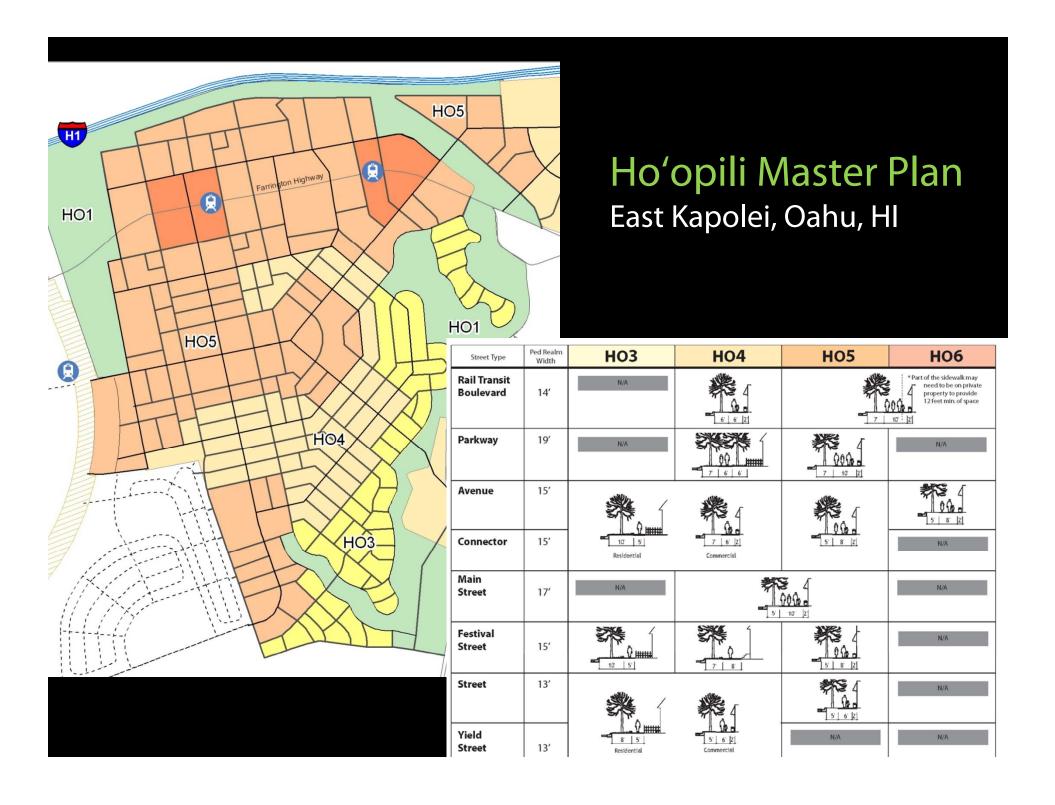
	T1	T2	T3	T4	T5	T6
Pedestrian Intolerant						
Pedestrian Tolerant						
Pedestrian Supportive						
Pedestrian Place						

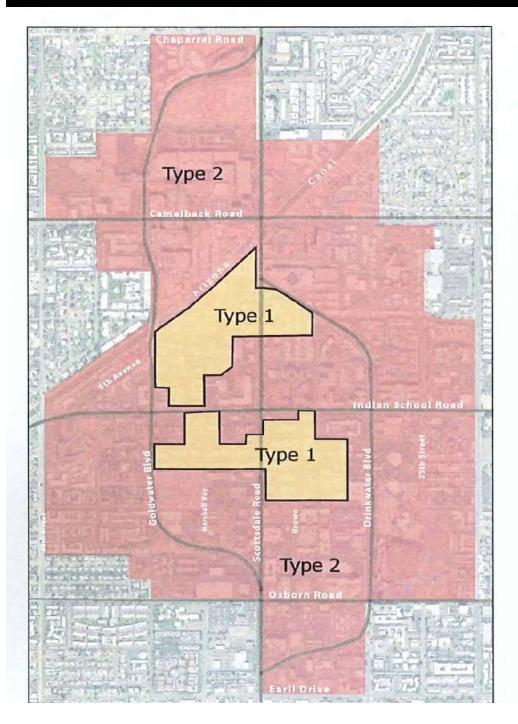




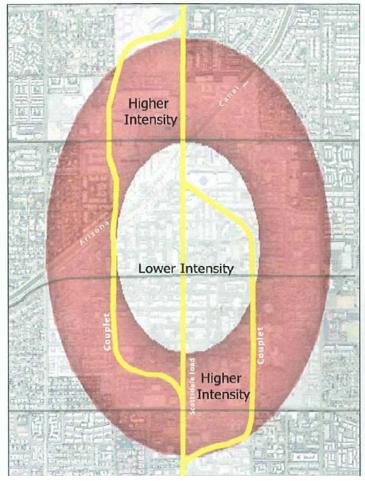
Pedestrian Intolerant
Pedestrian Tolerant
Pedestrian Supportive
Pedestrian Place



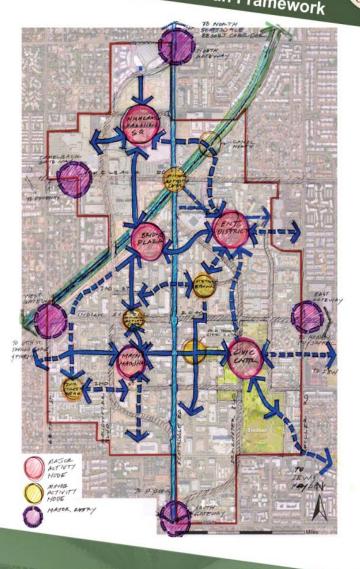




Downtown Plan Update Scottsdale, AZ



CIRCULATION & CONNECTIVITY DRAFT Downtown Pedestrian Framework



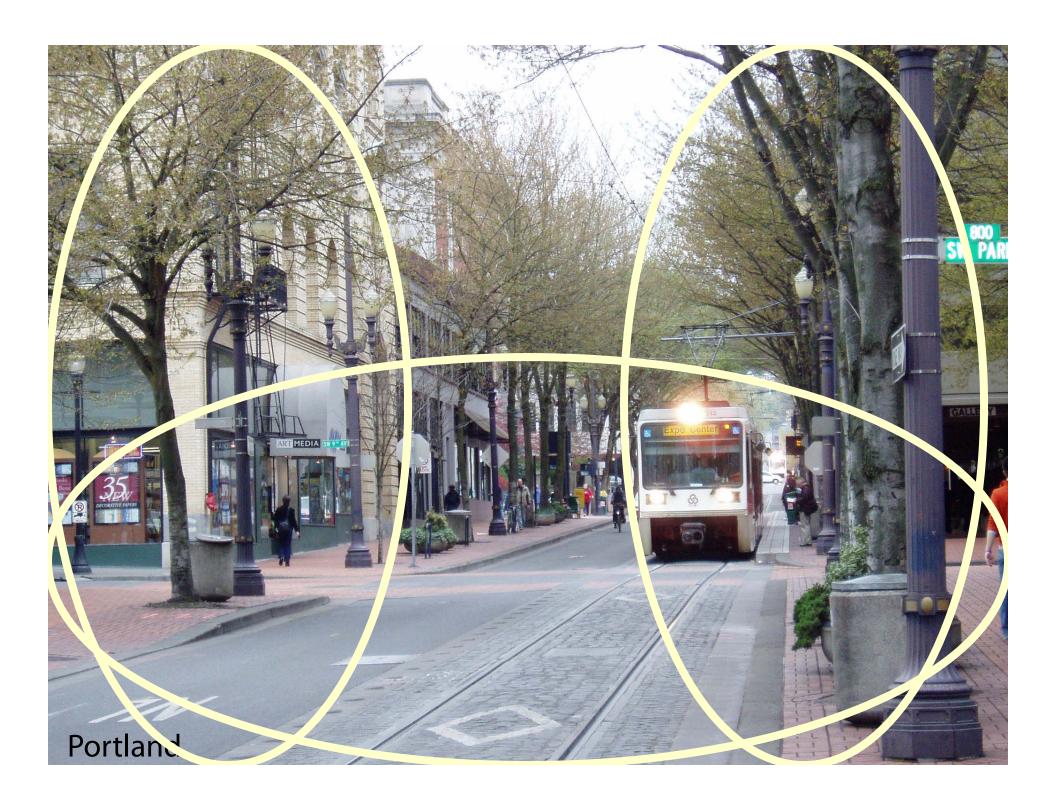
Downtown Plan Update Scottsdale, AZ



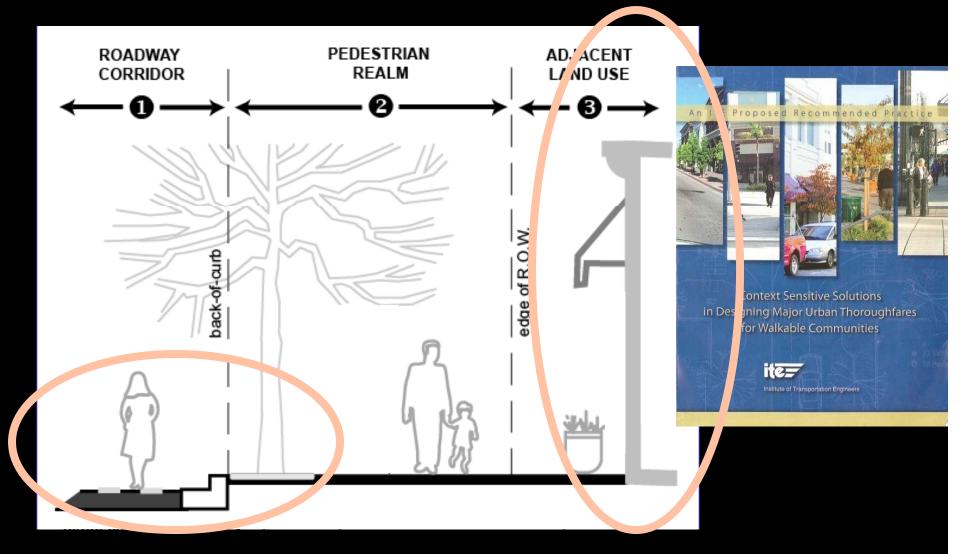








Components of Pedestrian Environments



Traveled Way

Roadside

Context

First Floor Land Use



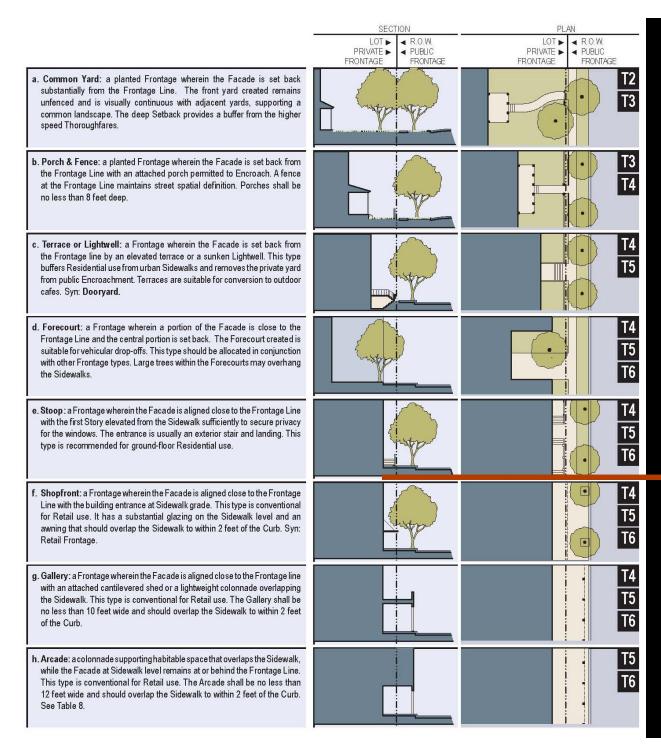


Grassy Planting Strip

Residential Frontages

Paving with Tree Wells

Commercial Frontages



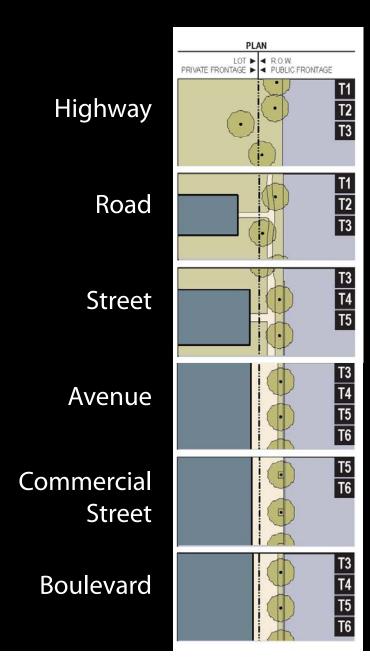
Frontage Types SmartCode



Residential Frontages



Commercial Frontages

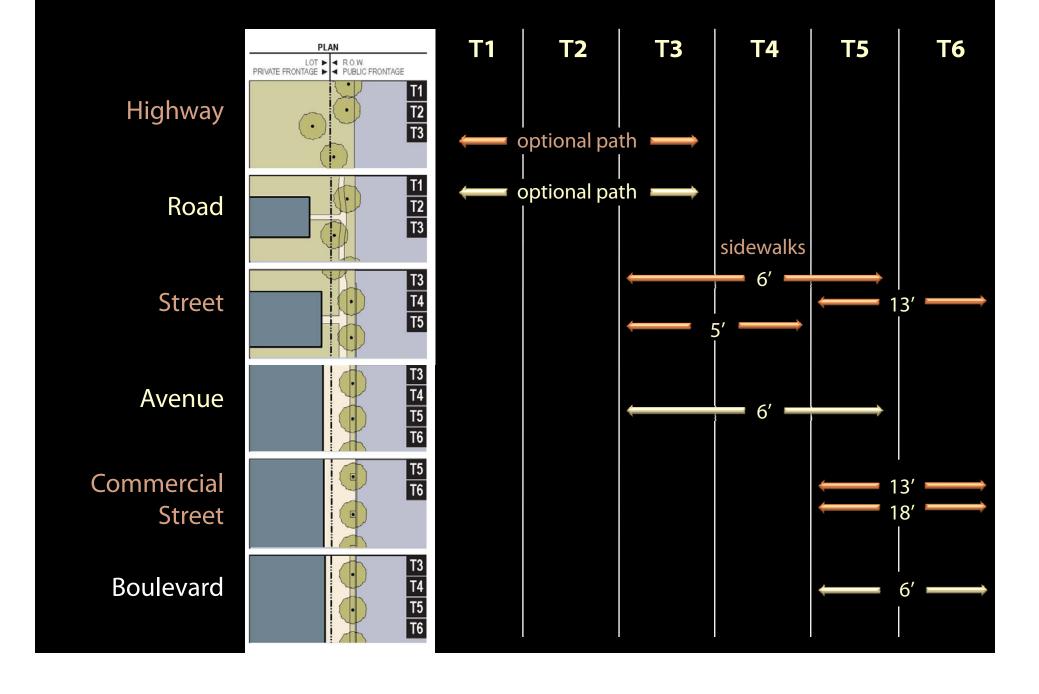


Public Frontages Thoroughfare Assemblies SmartCode

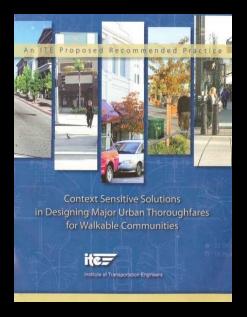


Commercial First Floor Uses

SmartCode Pedestrian Facilities



ITE/CNU Pedestrian Facilities



Street

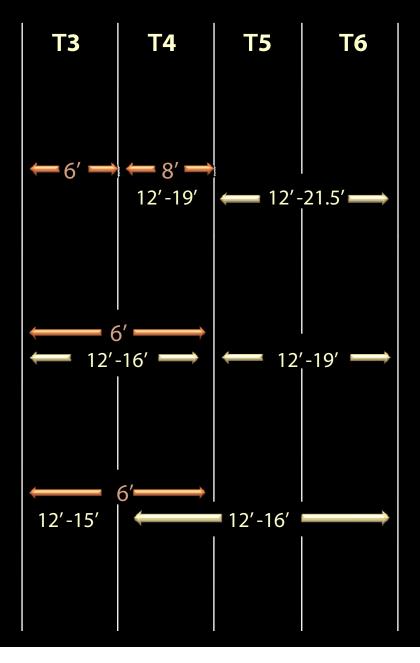
Residential Frontage Commercial Frontage

Avenue

Residential Frontage Commercial Frontage

Boulevard

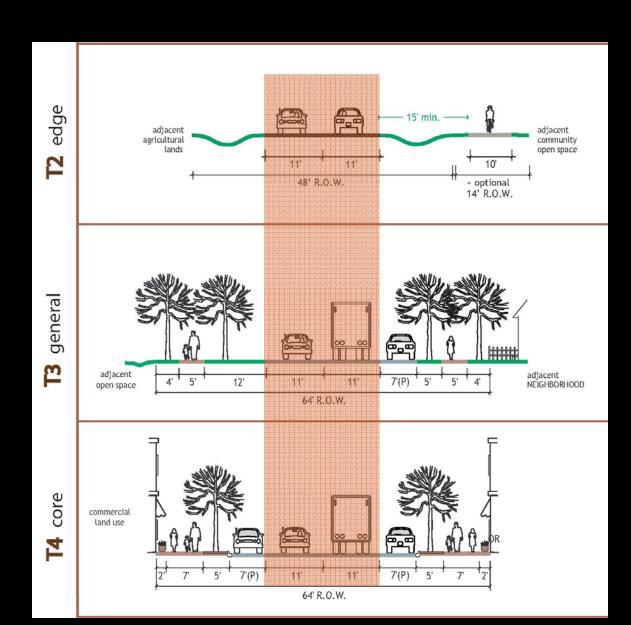
Residential Frontage Commercial Frontage











Collector Roadway Type Hali'imaile, Maui

MART

Pedestrian Science



Pedestrian Place/District

Pedestrian Supportive Environment

Pedestrian Tolerant Environment

Pedestrian Intolerant Environment

www.charlier.org

MARINA