

































•	 Off limit walking areas: Freeways and highways without sidewalks
•	Additional walking areas besides sidewalks and streets:Walking trails
	 Regional and local multi-use bike trails
•	Average walking speed of 3mph
	 Sastry, R. V. 1999. A Need for Speed: A New Speedometer for Runners. Master's Thesi Massachusetts Institute of Technology.
•	Increased canopy improves the walking experience by:
	 Offering shade and weather protection
	Enhancing aesthetics (appearance of walking areas)
	Policy Institute.
•	The amount of sidewalk coverage and road type impacts walking
	 Florida Department of Transportation. 2007. Generalized Annual Average Daily Volumes for Florida's Urbanized Area. <u>www.dot.state.fl.us/planning/systems/sm/los/pdfs/tables-</u> 051707.pdf



		Sidewalk & Street Types						
Sidewalk and street type matrix								
	Cost							
Sidewalk	0	0.17	0.34	0.				
0 - 49%		24,26,34,36,44,45,46,48	23,33,35,38,43	21,22,25,28,31,3 41,4				
50 - 84%		24,26,34,36,44,45,46,48,23,33, 35,38,43	21,22,25,28,31,32,41,42	2				
	24,26,34,36,44,45,46,48,	21,22,25,28,31,32,41,42	11,12,13,14,15,16,17,18	5				
85 - 100%	23,33,35,38,43							
	0 freeway	31 minor arterial	caution area					
	11 highway caution area	32 minor arterial	high traffic					
	12 highway high traffic	33 minor arterial	moderate traffic					
	13 highway low traffic	34 minor arterial	w/bikelane					
	· · · · · · · · · · · · · · · · · · ·		bike boulevard					
	15 highway w/ bike lane	36 minor arteriar						
	15 highway w/ bike lane16 highway bike boulevard	36 minor arterial	w/ bike path					
	 highway w/ bike lane highway bike boulevard highway w/ bike path 	36 minor arterial 37 minor arterial 38 minor arterial	w/ bike path					
	 15 highway w/ bike lane 16 highway bike boulevard 17 highway w/ bike path 18 highway 	36 minor arterial 37 minor arterial 38 minor arterial 41 residential stre	w/ bike path					
	 15 highway w/ bike lane 16 highway bike boulevard 17 highway w/ bike path 18 highway 21 major arterial caution area 22 major arterial bith traffic 	36 minor arterial 37 minor arterial 38 minor arterial 41 residential stre 42 residential stre 43 residential stre	w/ bike path eet caution area eet high traffic					
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Other Applications

- · Measure neighborhood social accessibility
- Analyze environmental justice
- Component of neighborhood sustainability or livability index
- Combine with mode choice survey to test hypotheses about accessibility and mode choice





