















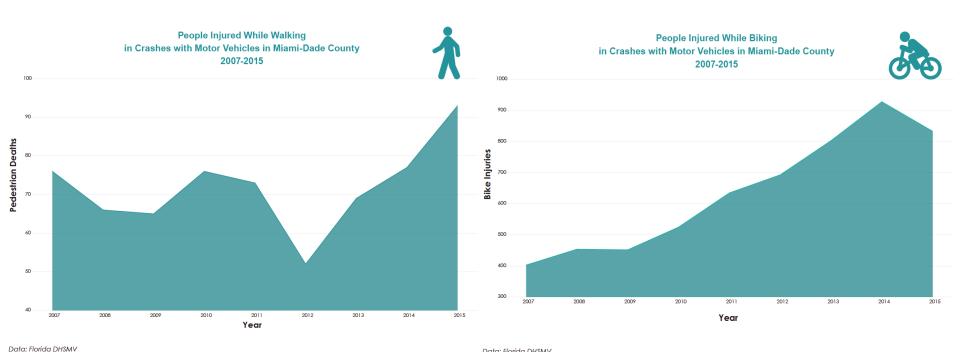




Support

Pedestrian Fatalities

Bicyclist Injuries



Data: Florida DHSMV



Support

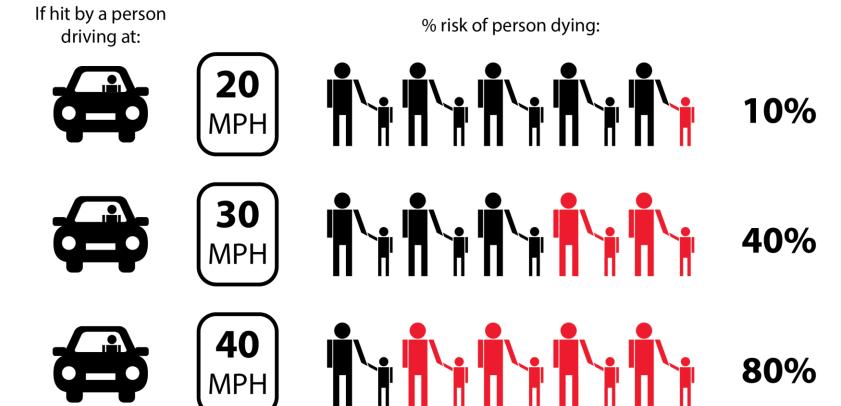


FIGURE 2-1 FATALITY RATES BY IMPACT SPEED/MIAMI-DADE COMPLETE STREETS DESIGN GUIDELINES DRAFT

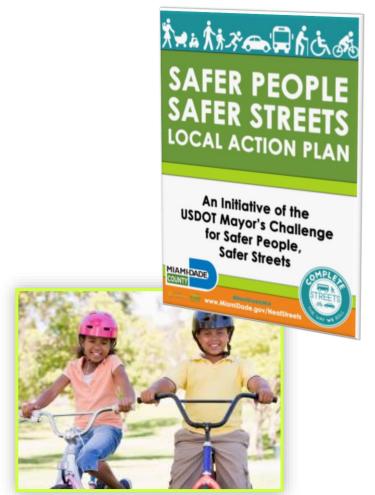


Safer People, Safer Streets

Vision: A more livable Miami-Dade through the realization of healthier, safer streets accommodating all modes of transportation.

Outcomes:

- Measurable reduction in bicycle and pedestrian crashes countywide
- 2. Overall increase in bicycling, pedestrian and transit activity





Outreach and Education





SPSS Outcomes

- Specific action plan to guide implementation
- Commitment by all partners to focus on safety
- Winner of USDOT
 Award!!!!!!!!!!!!!!
 (September 16, 2016)
- Complete Streets Design
 Guidelines are a direct
 outcome of the action plan





Designing for All Modes, All People, All Ages

























Proactive Street Design

- Recognizes that the way we design our streets impacts the behavior of street users
 - Safety of all users as the fundamental theme
 - Guide users through physical and environmental cues
 - Manage speed
 - Encourage walking, bicycling, and public transit use
 - Embrace the unique place characteristics around the street





Some of the Ways to Use Guidelines

- As a template for local jurisdictions to adopt and/or update their own engineering standards
- As an engineering guide to look up dimensions and criteria that provide for a Complete Streets approach
- As a resource for incorporating Complete Streets design guidance into roadway design projects
- As a unifying theme for incorporating Complete Streets elements into land development projects with a street design component
- As a planning guide for street typology



Typology

- Complete Street designs should be context-sensitive
- A new set of Street Types and Land Use Types were developed to classify Miami-Dade's streets based on context and character
- Supplements the conventional functional classification system
- Recognizes that street types are not necessarily continuous along the entire length of a street



Street Types

- Thoroughfare
- Feeder Road
- Civic Street
- Neighborhood Street
- Service Way
- Paseo

TABLE 2-4 FEEDER ROAD CHARACTERISTICS

Typology Code	FR
Typology Name	Feeder Road
Description	 Main roads Potential median Connects both urban centers and urban centers with neighborhoods Connects thoroughfares to civic streets
Through Lanes	2-4
Target Speed	20-30 mph
Block Length	1/16 - 1/8 mile (300-660 ft)
ADT (2-way)	5-25k
Flow	1 or 2 way
On-Street Parking	Rare
Examples	Miami AvenueW 60th Street



Land Use Types

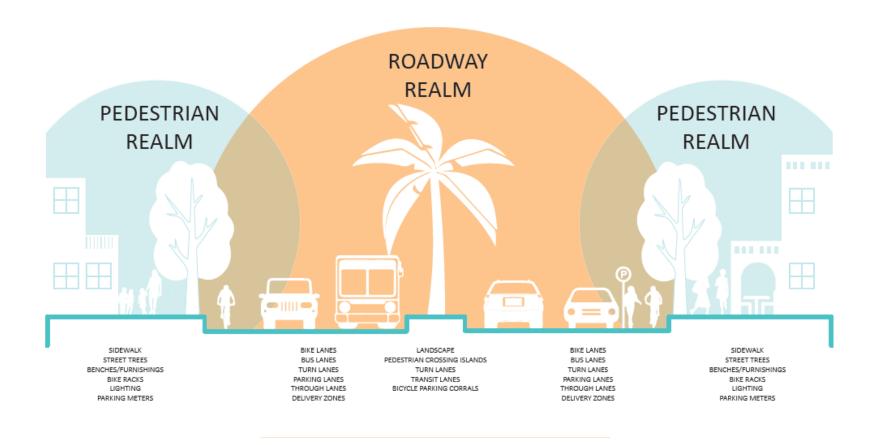
- Urban Center
- Urban
- Residential Suburban
- SuburbanCommercial/Mixed-Use
- Institutional
- Industrial
- Parks and Open Space
- Agriculture and Natural

TABLE 2-17 URBAN CENTER CHARACTERISTICS

Typology Code	UC
Typology Name	Urban Center
Characteristics	 Moderate to high intensity unified areas Concentration of different urban functions Range from larger downtowns to urban centers Include business, employment, civic, and/or high- or moderatedensity residential
Typical Zoning Des	ignations
Typical Buildings	Buildings are tall and dense. Wide sidewalks provide space for both through movement and gathering/café space. Buildings abut the sidewalk.
Examples	Downtown MiamiDadelandBrickell



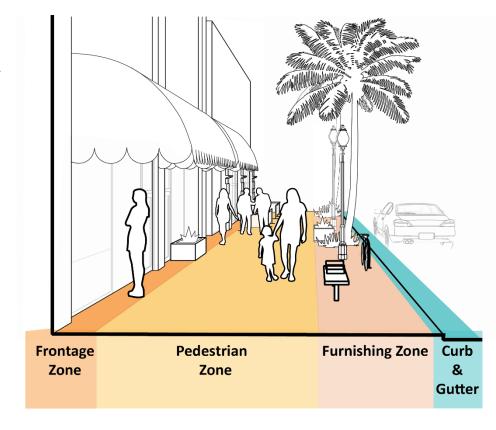
Cross-Section Elements





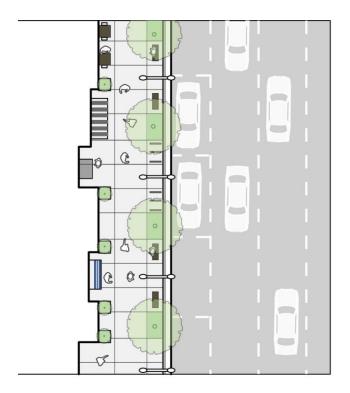
Sidewalks

- Dimensions for each zone by Street Typology and Land Use
- Tree Spacing
- Lighting Spacing

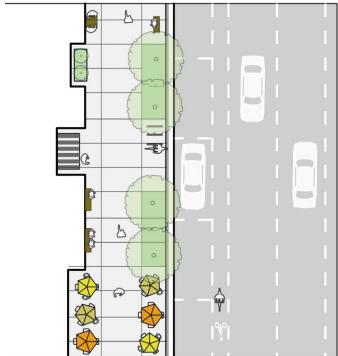




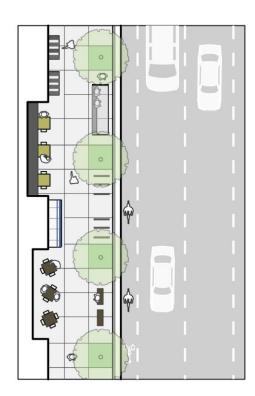
Sidewalks







Feeder Road in an Urban Center Context



Thoroughfare in a Mixed-Use Context



Traveled Way – Lane Widths

TABLE 4-2 RECOMMENDED LANE WIDTHS BY LANE TYPE

Lane Type	Recommended Width
Through Lane	10'
Bus/Truck Lane	11'
Turn Lane	10'
Parking Lane	8'





Traveled Way – Transit & Bicycle Facilities

TABLE 4-3 RECOMMENDED BIKE FACILITY DIMENSIONS

	Recommended		Minimum	
Element	Lane	Buffer	Lane	Buffer
Cycle Track	7'	3' (next to parked cars)	5'	3' (next to parked cars)
Two-way Cycle Track	12'	3' (next to parked cars)	8'	3' (next to parked cars)
Raised Cycle Track	6.5'	1' (for vertical element) 3' (next to parked cars)	5'	1' (for vertical element) 3' (next to parked cars)
Buffered Bike Lane	4'	3'	4' 4"	20"
Bike Lane	6'	n/a	4'	n/a
Contra-Flow Bike Lane	6'	3'	5'	6"

TABLE 4-4 RECOMMENDED TRANSIT FACILITY DIMENSIONS

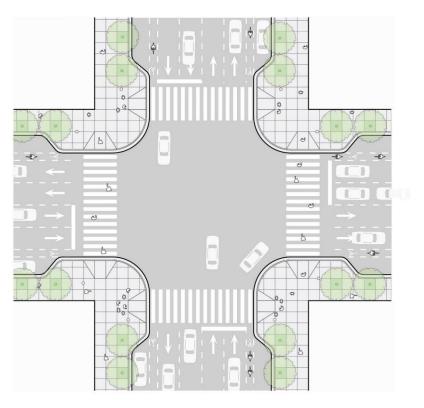
Lane Type	Minimum Recommended Width
Curb Lane	11'
Offset Lane (bulb-out stations)	10'
Dedicated Median lane	11'
Combined Bike/Bus Lane	12'





Intersections

• Intersections should be efficient for all users

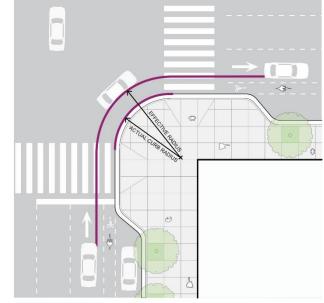






Intersections

 Curb radius design should be context specific



EFFECTIVE VS ACTUAL CURB RADII

TABLE 5-1	RECOMMENDED	CURB RADII
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	Land Use Context	Actual Curb Radius	Effective Curb Radius (the vehicular path) (2)
Minimum (1)	All intersection corners without vehicle turns	5'	N/A
	UC, UR	5'	10'
	RS, MC, I, P	15'	20'
	IN, AN	30'	35'
Maximum	All intersection corners without vehicle turns	5'	N/A
	UC, UR	20'	25' ⁽³⁾
	RS, MC, I, P (4)	30'	35'
	IN, AN (5)	45'	50'

Notes:

- $(1) \ Minimum \ is \ generally \ desirable \ except \ where \ circumstances \ warrant \ a \ wider \ curb \ radii.$
- (2) Bicycle lanes and parking lanes may increase the effective curb radius.



Intersections

Intersections can be calmed





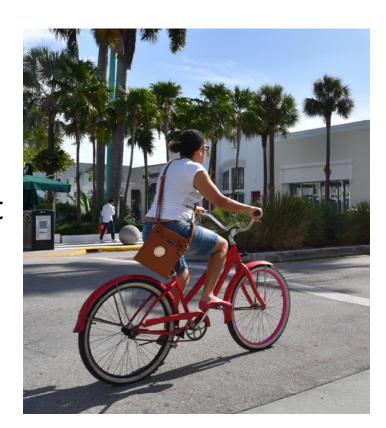




Next Steps

- Guidelines were submitted to FDOH to meet grant requirements – End of January 2017
- County prepares to adopt February-April 2017
- Municipalities prepare to adopt and/or tailor to their own communities – Spring 2017

www.neatstreetsmiami.com



Thank you!













