# Palm Beach MPO Complete Streets Working Group

## Palm Beach MPO Complete Streets Design Guidelines

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# Complete Streets Design Guidelines

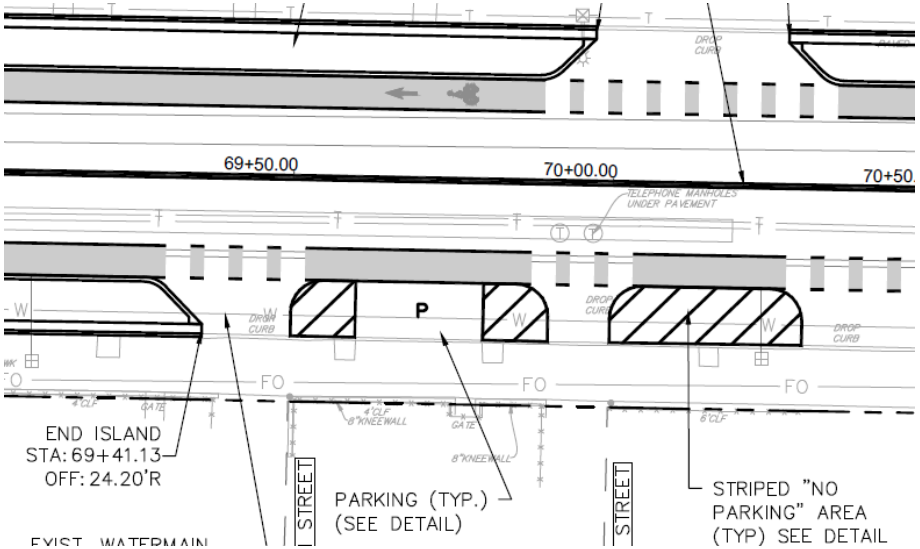
- Provides guidance to planners, engineers, and transportation professionals on two main project aspects
  - Planning
  - Design
- Applicable to transportation and land development projects

# Complete Streets Design Guidelines

- Proactive design recognizes that the way we design our streets can impact behavior of street users
  - Safety for all users as the fundamental theme
  - Guide users through physical and environmental cues
  - Manage vehicle speeds
  - Encourage walking, bicycling, and public transit use
  - Embrace the unique place characteristics around the street

# Complete Streets Design Guidelines

- Intended audience
  - Local government practitioners who are performing transportation planning and/or design work for projects in urban and suburban areas of Palm Beach County




# Project Elements

- Complete Streets Working Group
- Multimodal Complete Streets Typology
  - Street Framework
  - Land Use
    - (Building Form and Function)
  - Road Use
    - (Roadway Form and Function)
  - Example Streets
- Design Guidance
- Typical Sections
- MPO Advisory Committee Coordination

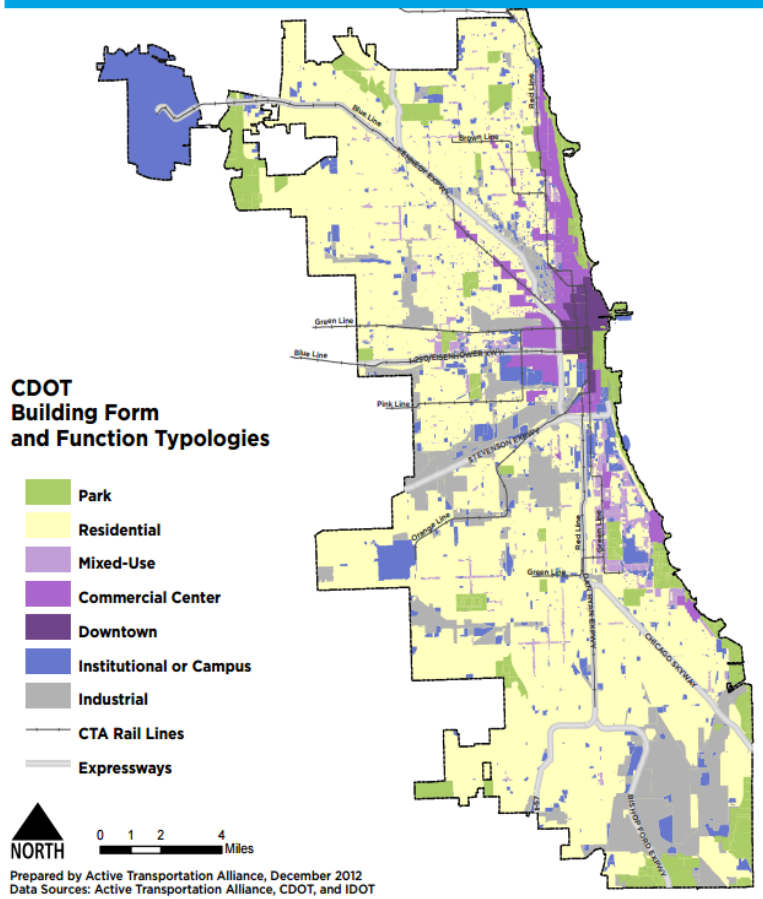
# Multimodal Complete Streets Typology

- Street Framework
  - Suggested framework for categorizing the street network
  - Functional classification works well for automobile travel, but does little to address other modes
  - Need to promote a more nuanced and balanced understanding of each street's role within the transportation system

# Multimodal Complete Streets Typology

- Land Use (Building Form and Function)

FIGURE 11




Sample Citywide Typology Maps

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FIGURE 7 (CON'T)

# BUILDING FORM AND FUNCTION

*Mixed-Use (M)*


Armitage Avenue

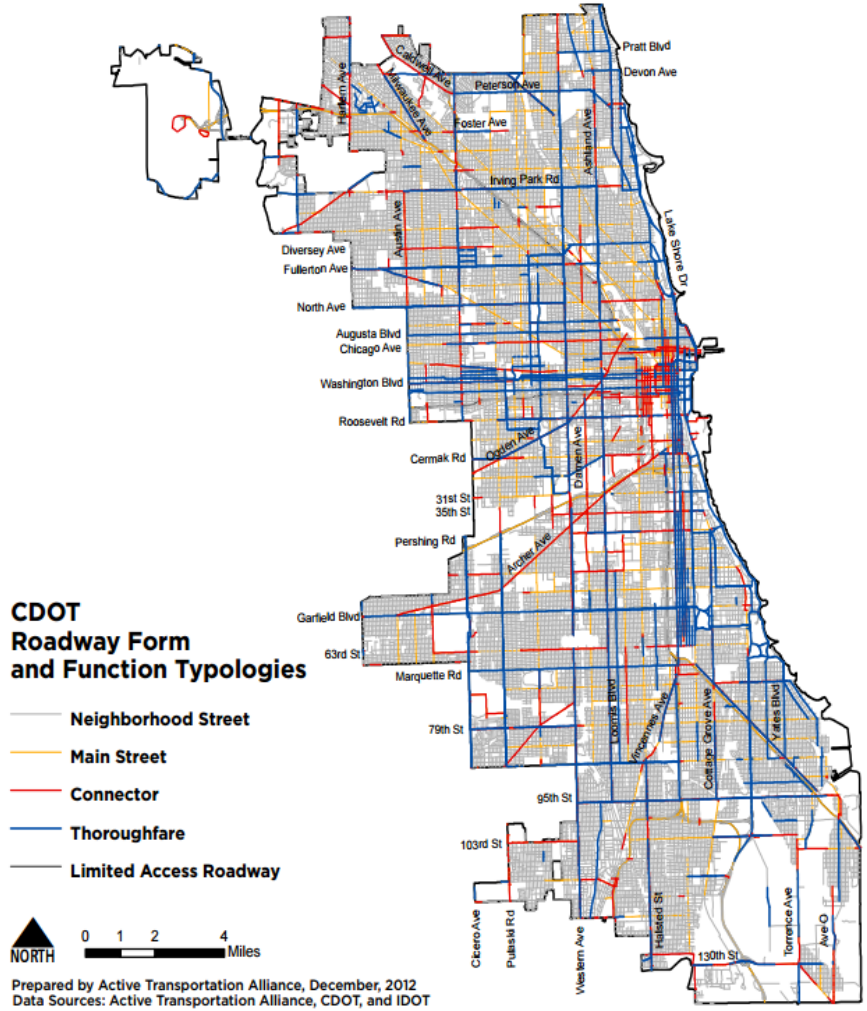

Halsted Street

| | |
|---|---|
| **Typology Code** | M |
| **Typology Name** | Mixed-Use |
| **Characteristics** | » buildings with service and commercial uses on the ground floor that serve surrounding neighborhoods<br>» residential or office uses above the ground floor |
| **Typical Zoning Districts[6]** | RM, B1, B2 |
| **Typical Buildings** | Height is 2 or more stories and buildings typically abut the sidewalk |
| **Examples** | » 103rd (Longwood to Wood)<br>» Damen Avenue |

[6]Chicago Zoning Ordinance.

# Multimodal Complete Streets Typology

- Road Use (Roadway Form and Function)



# PBC Thoroughfare Plan

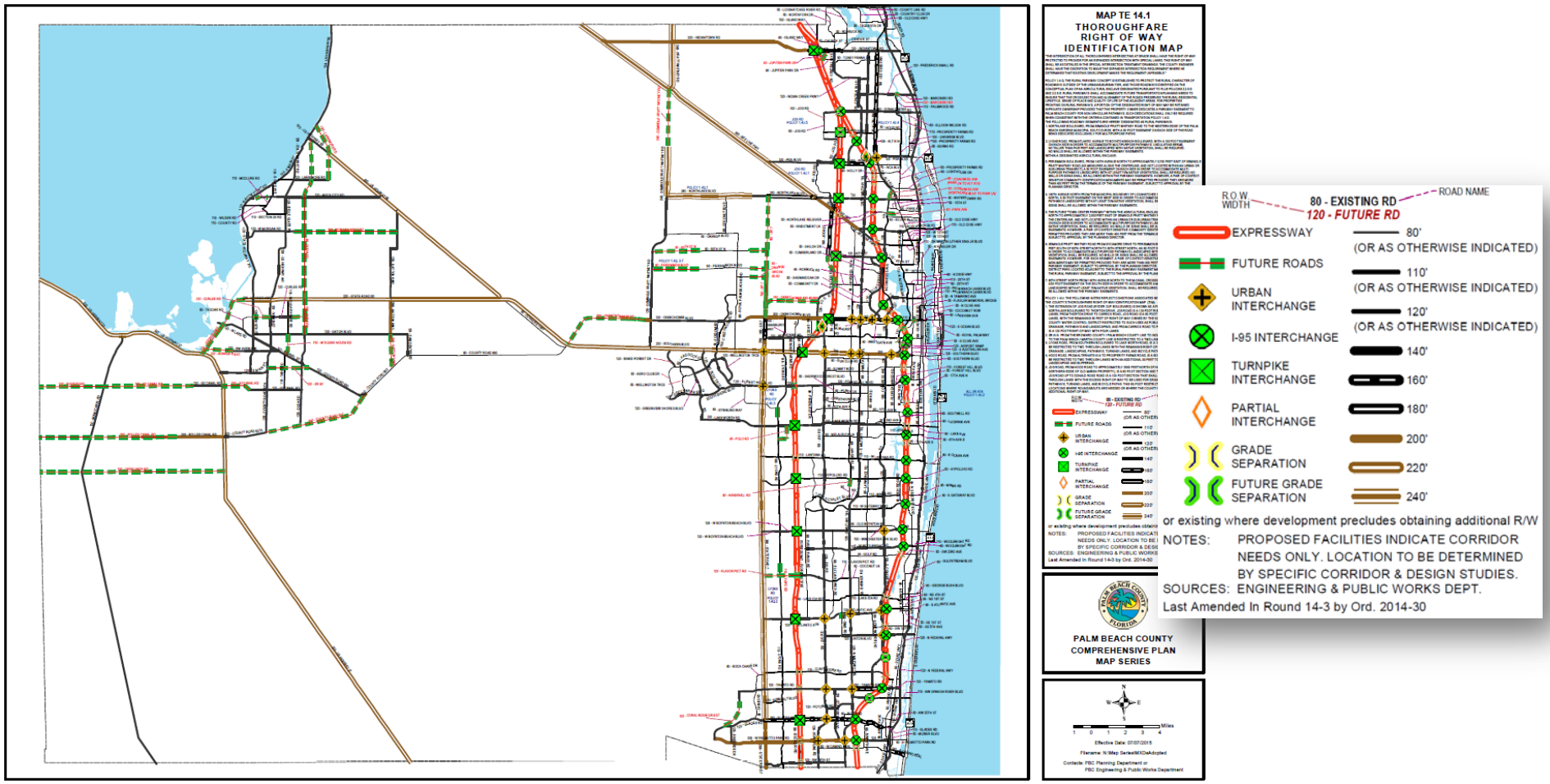


FIGURE 8 (CON'T)

# ROADWAY FORM AND FUNCTION

*Connector (CN)*

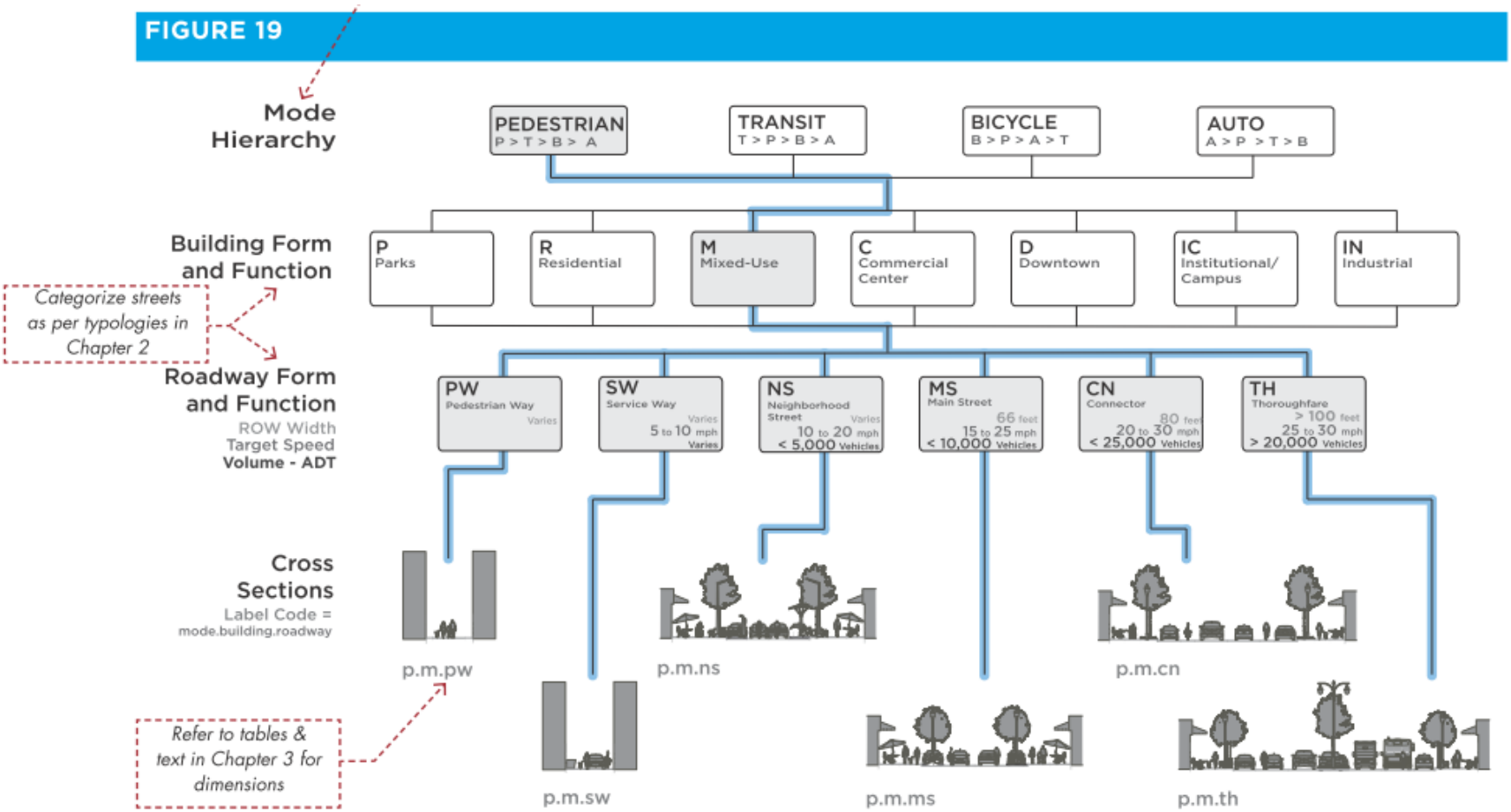

Indiana Avenue


Ashland Avenue

| | | |
|---|---|---|
| **Typology Code** | CN | |
| **Typology Name** | Connector | |
| **Definition** | » main roads<br>» may have median<br>» connects between urban centers<br>» may be commercial | |
| **Characteristics** | Lanes | 2 to 4 |
| | Speed[8] | 20-30 mph |
| | Blocks | 300-660 ft |
| | ADT | 5-25k |
| | Flow | 1 or 2 way |
| **Examples** | » North Avenue<br>» Harlem Avenue<br>» Ashland Avenue<br>» Milwaukee Avenue<br>» Most of the streets in the Loop | |

[8]Speed refers to Target Speed, see Section 3.5.5.

# Design Trees




Design Tree for Mixed-Use

# Multimodal Complete Streets Typology

- The same roadway can have different functions in different areas

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# Complete Streets

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# Building Form and Function

- Potential examples
  - Residential
    - Single family residential
    - Multi family residential
  - Commercial
    - Suburban commercial
    - Town center commercial
  - Industrial
  - Mixed-use
  - Downtown
  - Institutional
  - Parks
  - Others

# Roadway Form and Function

- Potential examples
  - Thoroughfare
  - Connector
  - Neighborhood Street
  - Main Street
  - Service/Alley
  - Pedestrian Way
  - Others
- What are some local examples of each type of roadway form?

# Potential Outline

- Introductory chapter
  - Relationship to design criteria and standards
  - Relationship to other design guideline documents
- Street typology chapter
- Roadways elements
- Sidewalk elements
- Intersection elements
- Implementation

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**Design Guidance**

# Potential Outline

- Roadway elements

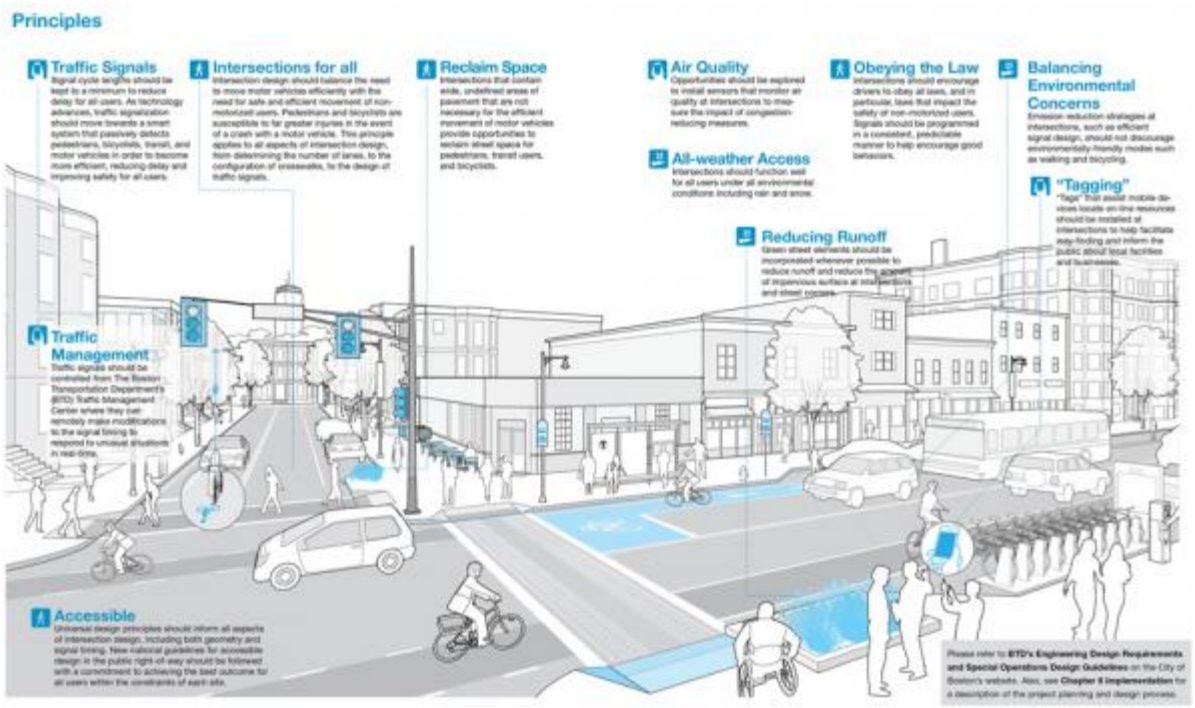
# Potential Outline

- Sidewalk elements


*Figure 5-15. Sidewalk zones*

# Potential Outline

- Intersection elements

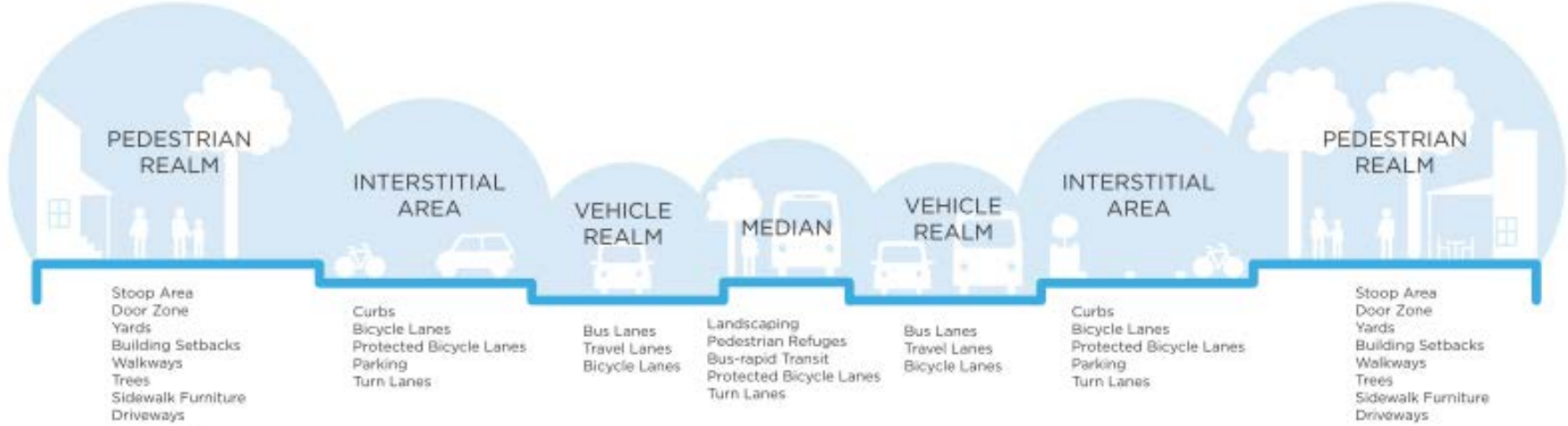


# Some of the Key Elements

- Target Speed
- Lane Widths
- Sidewalk Zone
- Bike Facilities
- Others

# Cross-Section Elements

FIGURE 21




Cross-Section Elements

# Cross-Section Dimensions

**FIGURE 20.3**

**ROADWAY FORM AND FUNCTION**

ALL DIMENSIONS ARE IN FEET

| Building Form and Function | | | CN | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Connector | | | | | | | |
| | | | Pedestrian Realm | | | Interstitial Area | | | Vehicle Realm | Median |
| | | | Frontage | Pedestrian Zone | Furniture Zone | Curb Zone | Bikeway | Parking Area | Travel Lane | Center Median |
| P | Parks | Target | 0 | 8 | 10 | 1 | 8 | 7 | 10 | 8 |
| | | Maximum | 2 | 10 | – | 2 | 10 | 8 | 11 | 16 |
| | | Constrained | 0 | 5 | 6 | 0 | 5 | 7 | 9 | 6 |
| R | Residential | Target | 0 | 8 | 8 | 1 | 5 | 7 | 10 | 6 |
| | | Maximum | 1 | 10 | 12 | 2 | 6 | 8 | 11 | 16 |
| | | Constrained | 0 | 5 | 0 | 0 | 5 | 7 | 9 | 6 |
| M | Mixed Use | Target | 4 | 6 | 6 | 1 | 6 | 8 | 10 | 8 |
| | | Maximum | 5 | 12 | – | 2 | 7 | 8 | 11 | 16 |
| | | Constrained | 1 | 6 | 5 | 0 | 5 | 7 | 9 | 6 |
| C | Commercial Center | Target | 1 | 8 | 6 | 1 | 6 | 8 | 10 | 10 |
| | | Maximum | 5 | 12 | 10 | 2 | 8 | 8 | 11 | 18 |
| | | Constrained | 1 | 8 | 5 | 0 | 5 | 7 | 9 | 6 |
| D | Downtown | Target | 5 | 10 | 6 | 1 | 6 | 8 | 10 | 10 |
| | | Maximum | 5 | – | 10 | 2 | 7 | 8 | 11 | 18 |
| | | Constrained | 1 | 8 | 5 | 0 | 5 | 7 | 9 | 6 |
| IC | Institutional Campus | Target | 0 | 8 | 6 | 1 | 6 | 8 | 10 | 8 |
| | | Maximum | 4 | 10 | 10 | 2 | 7 | 8 | 11 | 16 |
| | | Constrained | 1 | 6 | 5 | 0 | 5 | 7 | 9 | 6 |
| IN | Industrial | Target | 1 | 6 | 6 | 1 | 6 | 10 | 10 | 6 |
| | | Maximum | 3 | 9 | 5 | 2 | 8 | 10 | 14 | 18 |
| | | Constrained | 1 | 5 | 0 | 0 | 5 | 8 | 10 | 6 |

Assemblage Table for Connector

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# Questions?