Designing Pedestrian Facilities for Accessibility

Module 7
Street Furniture and
On-Street Parking
Module 7: Street Furniture & On-Street Parking

R212 Street Furniture (R307)

- Benches
- Drinking Fountains
- Parking Meters
- Street lights
- Utility poles/hardware
- Transit shelters

- Bike racks
- Newspaper vending
- Public Telephones
- Sculptures

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The Zone System - Summary

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Designing Pedestrian Facilities for Accessibility
Carefully arranged street furniture leaves sidewalk clear

Randomly arranged street furniture clutters sidewalk
R404 Clear Floor or Ground Space (R402)

- Items required to have clear space include:
  - Benches (at least 50%)
  - Operable parts
  - Parking meters/pay stations
  - Transit stops

- Connect to the pedestrian access route.
R212.2 Drinking Fountains (R413)

- Where drinking fountains are provided, they shall comply with ADAAG 602.1 - 602.6 (including knee & toe clearance)

3’ max
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- Scoping - number of accessible spaces IF on-street parking is provided and is marked or metered
- Parallel Parking Spaces
- Angled Parking Spaces
- Curb Ramps/Blended Transitions
- Signage
- Parking Meters
• Chapter 2 (Scoping Requirements) of the PROWAG provides requirements for determining the number of accessible parking spaces per block perimeter
  • If total number of marked or metered spaces on the block perimeter is 1 to 25, there must be at least 1 accessible parking space (Table R214)
• Parking spaces are best located where the street has the least crown and grade and close to key destinations (i.e., crosswalks)
R309.2 Parallel Parking Spaces

• R309.2.1 Wide Sidewalks (Sidewalk or available ROW > 14 ft)
  - Provide access aisle at least 5.0 ft wide at street level the full length of the parking space
  - Connect aisle to pedestrian access route
  - Access aisle shall not encroach on the vehicular travel lane.
R309.2 Parallel Parking Spaces

- **R309.2.2 Narrow Sidewalks (Sidewalk or available ROW ≤14’)**
- An access aisle is not required if the parking space is located at the end of the block face.
- Keep adjacent sidewalk free of obstructions to allow lift deployment.
Parallel Parking Spaces

<= 14 ft
Access aisle not required
• Where perpendicular or angled parking is provided:
  - Provide an access aisle 8.0 ft wide minimum at street level the full length of the parking space
  - Connect access aisle to a pedestrian access route
  - Mark access aisles to discourage parking in them.
  - Two parking spaces may share a common access aisle
  - Access aisles must comply with R302.7 (stable, firm & slip resistant)
Perpendicular or Angled Parking Spaces
• Parking space identification signs shall include the International Symbol of Accessibility complying with R411
• At accessible parallel parking spaces and accessible passenger loading zones, locate signs at the head or foot of the space/zone so as not to interfere with the operation of a side lift or a passenger side transfer.
• Mark and sign per MUTCD 2B.46 and 3B.19
R309.4 Curb Ramps or Blended Transitions (R308.4)

- A curb ramp or blended transition complying with R304 shall connect the access aisle to the pedestrian access route.
- Curb ramps shall not be located within the access aisle
R309.5 Parking Meters and Parking Pay Stations

- Parking meters and parking pay stations that serve accessible parking spaces shall comply with R309.5. (R308.6)
  - R309.5.1 (R308.6.1) Location. At accessible parallel parking spaces, locate parking meters at the head or foot of the parking space so as not to interfere with the operation of a side lift or a passenger side transfer.

- Operable parts shall comply with R403 (R405).
• R309.5.2 (R308.6.3) Displays and information shall be visible from a point located 3.3 ft maximum above the center of the clear space in front of the parking meter or pay station.
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Questions

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