

Americans with Disabilities Act Public Rights of Way



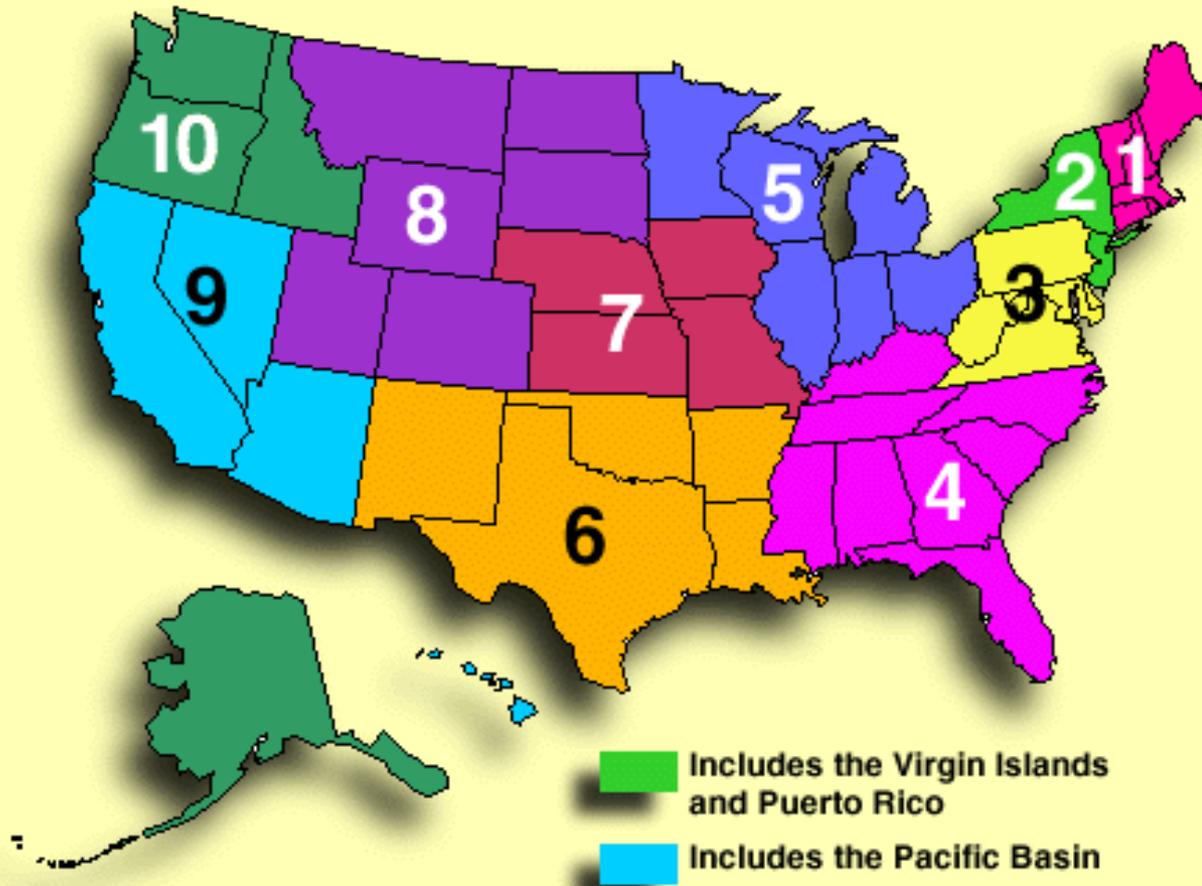
ADA State Conference

October 22, 2014

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New England ADA Center is one of ten ADA Centers

Funded by the National Institute on Disability and Rehabilitation Research



1-800-949-4232

Institute for Human Centered Design

200 Portland St
Boston

An international design non-profit dedicated to enhancing the experiences of people of all ages and abilities through excellence in design.



www.HumanCenteredDesign.org

What Is ADACC?

- Non-profit established in 1992 to promote voluntary compliance with the ADA;
- The official affiliate of the New England ADA Center;
- Operates on a voluntary basis;
- Is membership organization that provides training and technical assistance benefits.

Agenda

- Sidewalks
- Crosswalks
- Curb ramps
- Street furnishings
- Pedestrian signals

Agenda, continued

- Plowing (snow removal)
- Bus shelters, clearing
- Detectable warnings - Federal Highway Administration

Department of Justice ADA Title II regulations

28 CFR Part 35

Nondiscrimination on the basis of
disability in state and local government
services

www.ADA.gov

Accessibility

- New construction
- Alterations to existing facilities to the maximum extent feasible within the scope of the project



Accessibility

Existing facilities that have not been altered can not deny access to persons with disabilities



Accessibility

Department of Justice/Department of Transportation Joint Technical Assistance

*Title II of the Americans with Disabilities Act Requirements
to Provide Curb Ramps when Streets, Roads, or Highways
are Altered through Resurfacing*

www.ada.gov/doj-fhwa-ta.htm



ADA Title II Regulations Transition Plan

Schedule for curb ramps

Priorities - Sidewalks serving

- State and local government offices and facilities
- Transportation
- Places of public accommodation (restaurants, stores)
- Employers
- Sidewalks serving other areas

Pedestrian Access Route

Pedestrian Access Route Clear Width



4 ft min clear exclusive of curb
and street furniture



If less than 5 ft. clear, provide 5 ft
passing space every 200 ft

Pedestrian Access Route Clear Width



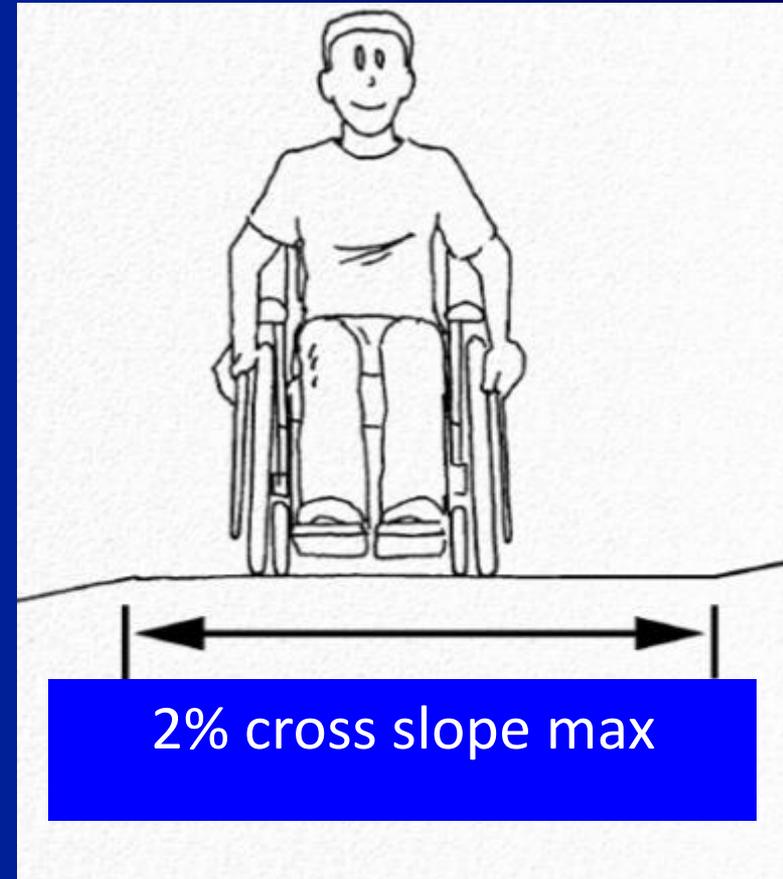
Pedestrian Access Route Running Slope



Running slope can follow adjacent roadway grade

Pedestrian Access Route Cross Slope

- 0% best for wheelchair users
- Some slope needed for drainage
- Max cross slope 2%
- “Level” means 2% max



Pedestrian Access Route Cross Slope



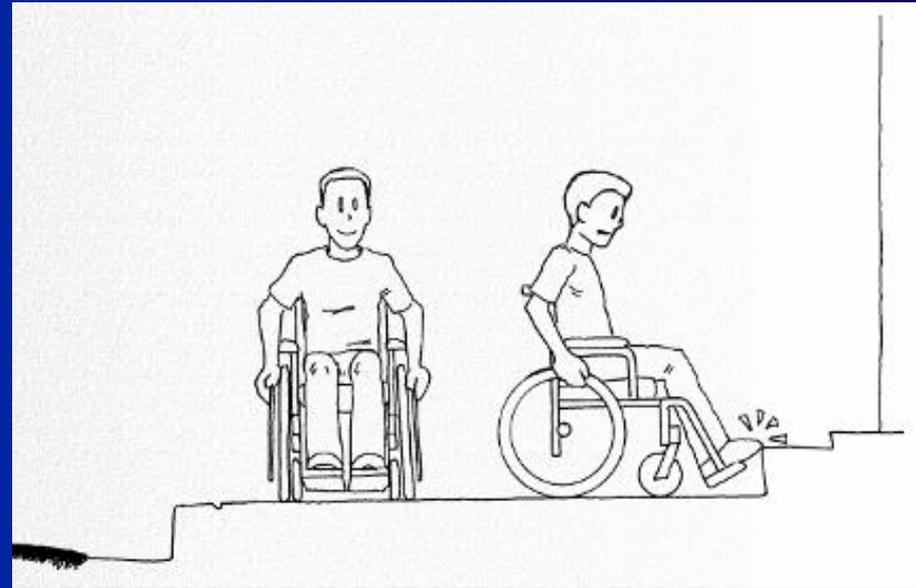
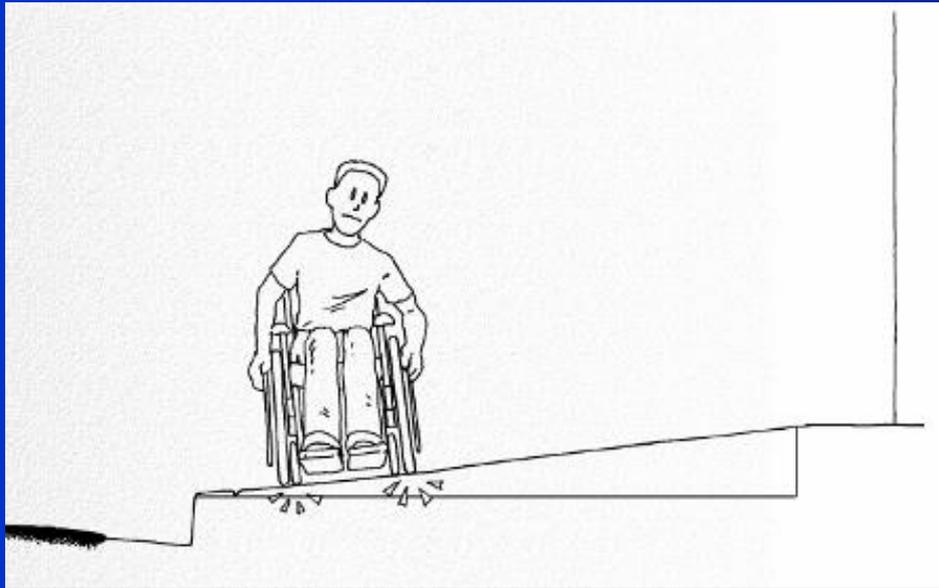
Cross Slope: 2% maximum

Pedestrian Access Route Cross Slope



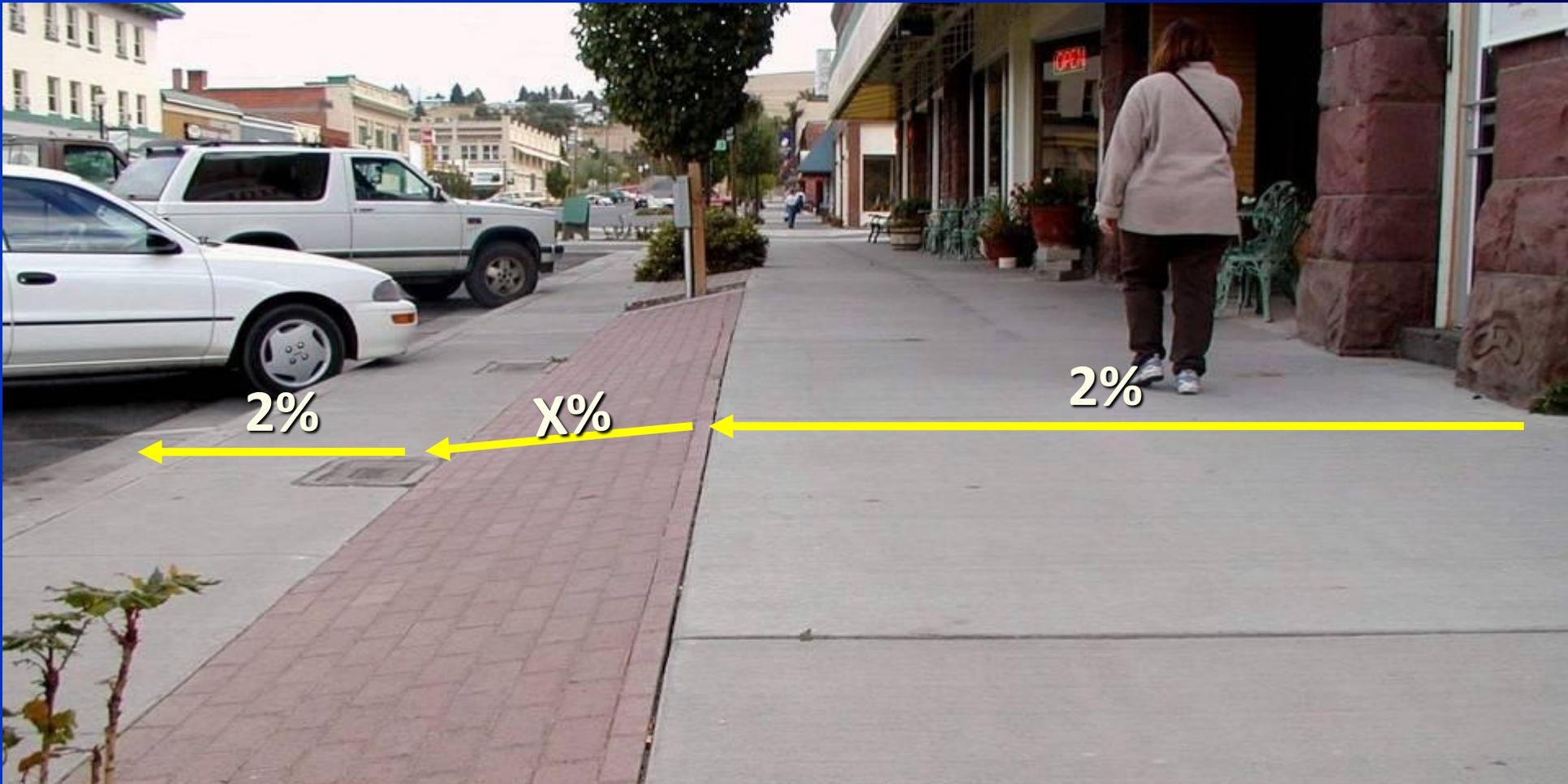
Building entrance elevations create problems

Pedestrian Access Route Cross Slope



Building entrance elevations create problems

Pedestrian Access Route Cross Slope



Interesting Solution

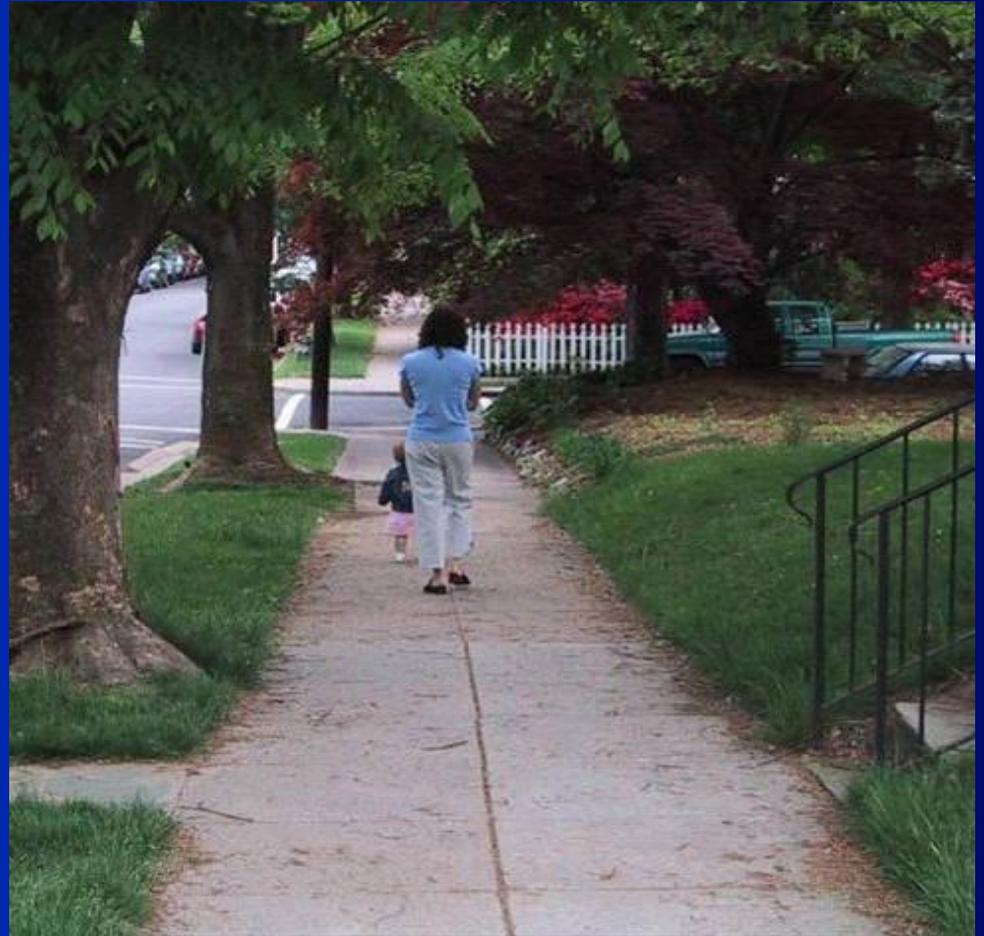
Pedestrian Access Route



If you have the space this can work

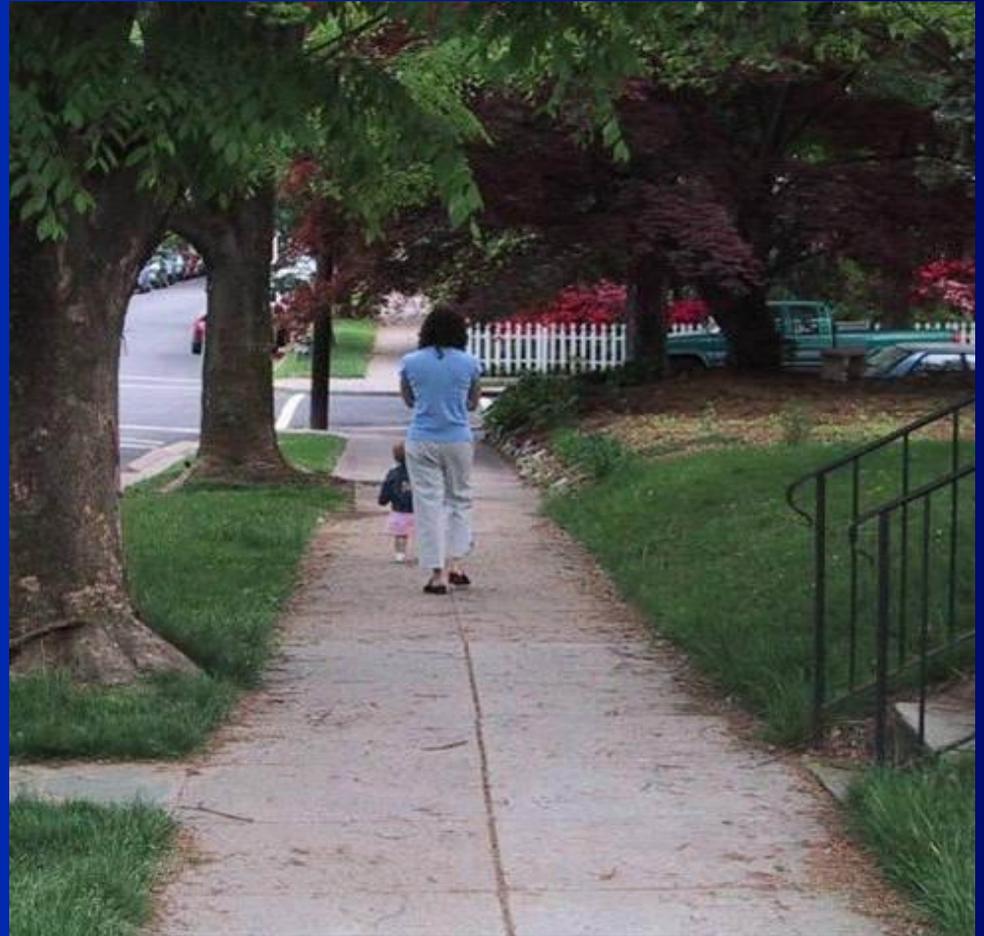
Pedestrian Access Route Surface

- Surfaces: stable, firm and slip resistant



Pedestrian Access Route Surface

- Surfaces: stable, firm and slip resistant



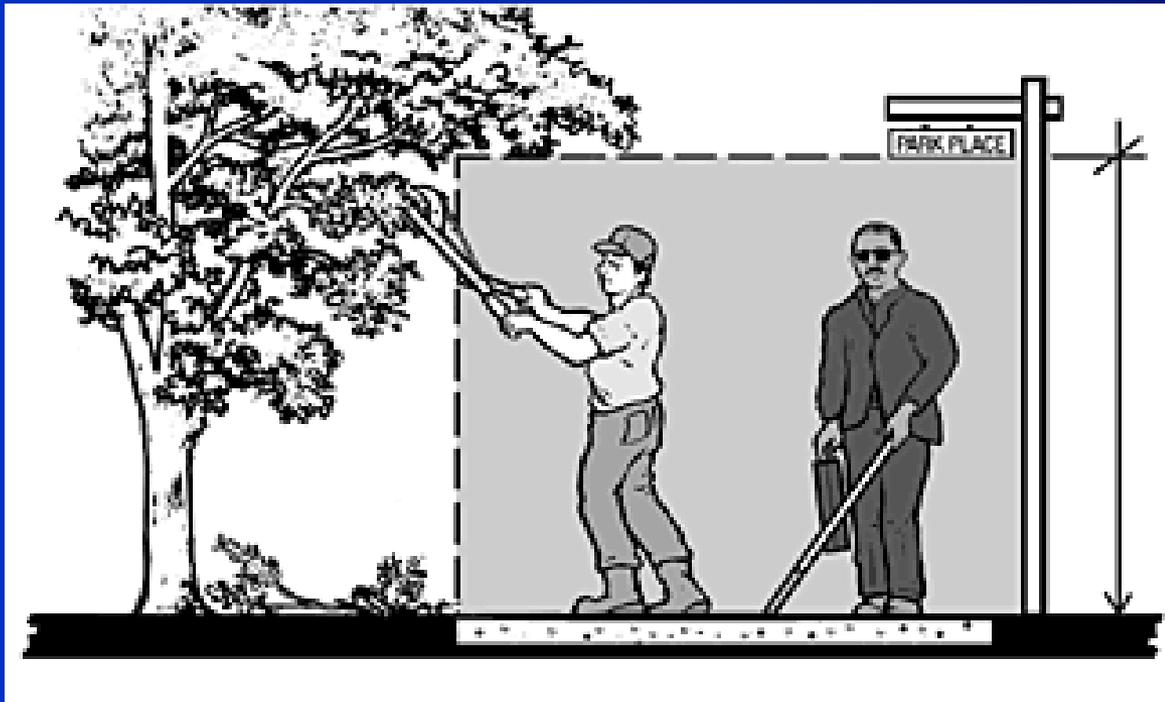
Pedestrian Circulation Area

Pedestrian Circulation Area Protruding Objects



No protruding objects the entire width

Protruding Objects



80 in min

Curb Ramps

Curb Ramps

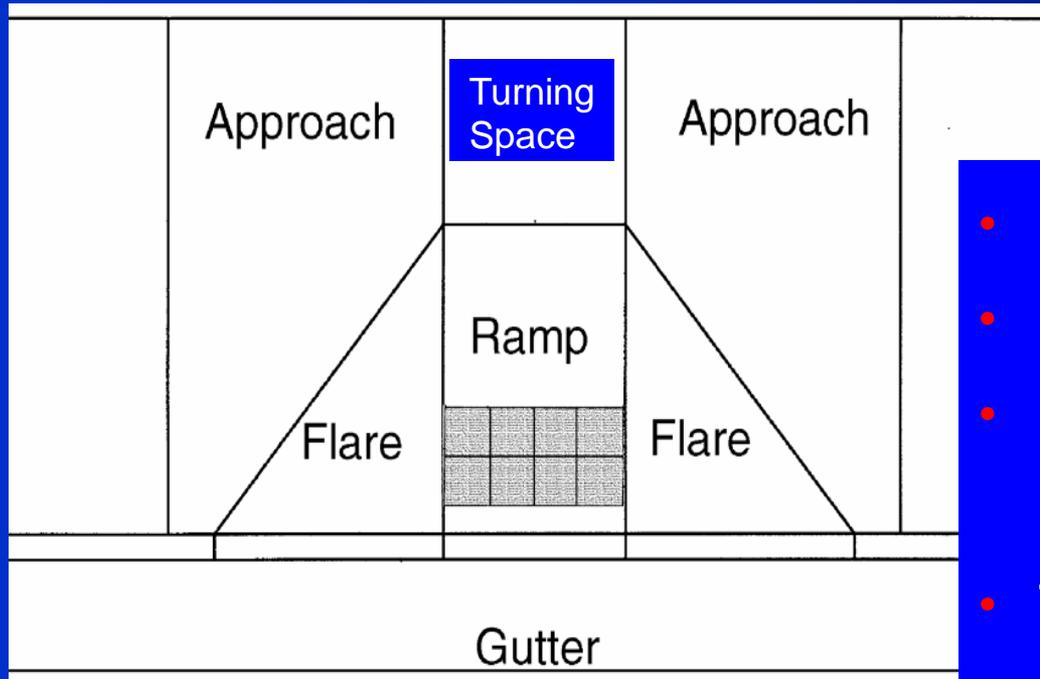


Perpendicular Curb Ramps



■ Turning space is required at the top of curb ramps for changing direction except where turning is not an option

Anatomy of a Curb Ramp



- Running slope - 8% max*
- Cross slope - 2% max*
- Flare slope - 10% max (8.33% max if no turning space)
- Turning space
- Perpendicular grade breaks
- Flush transitions

- The 'cookie cutter' curb ramp

Detectable Warning Devices

Detectable Warning Devices



Detectable Warning Devices

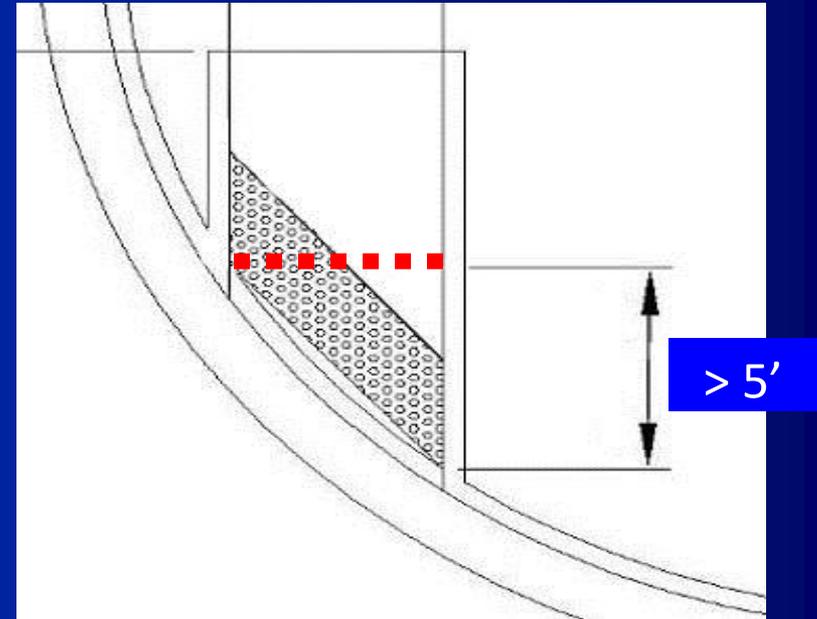
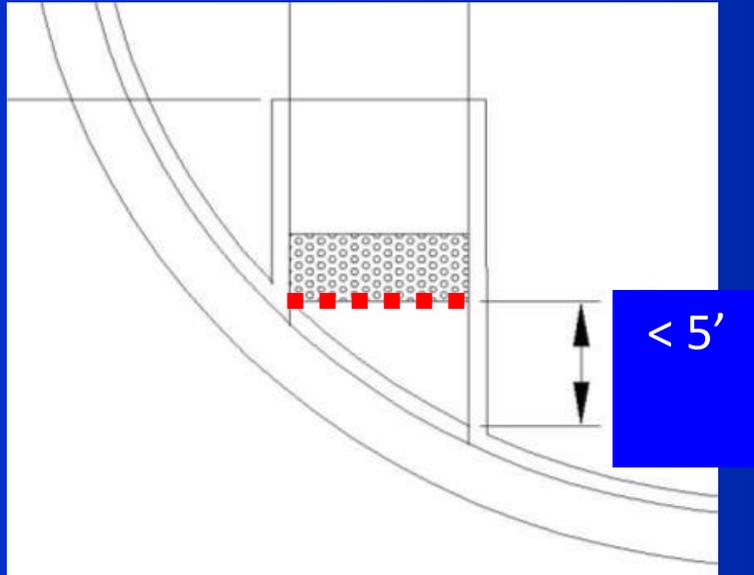
Federal Highway Administration

Memo

Provide warning to the visually impaired about to enter a hazardous area

- Raised domes
- 24" min. and full width of curb ramp
- Contrasting in color

Detectable Warning Devices



- Place DW on curb ramp at grade break if space beyond the bottom of ramp is less than 5' deep.
- Place DW on behind the curb if the ramp is more than 5' away from the curb at any point.

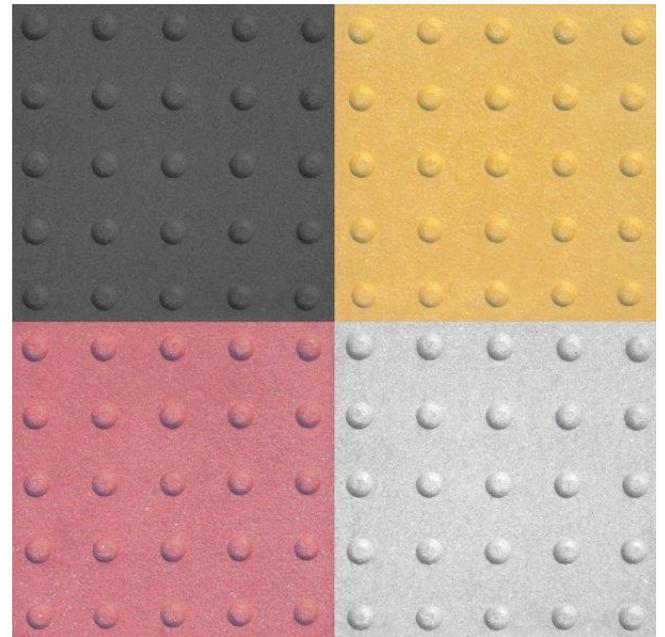
Detectable Warning Devices



Contrast with surrounding surface

Detectable Warnings

- Color not specified.
- Contrast with adjacent walking surfaces either light-on-dark, or dark-on-light.



Detectable Warning Devices



Pedestrian refuge islands greater than 6 ft wide

Pedestrian Crossings

Pedestrian Crossings



RUN!!!

Pedestrian Crosswalks



- The guidelines do not tell when/where to mark
- Or how to mark (look at MUTCD part 3)

Accessible Pedestrian Signals (APS)

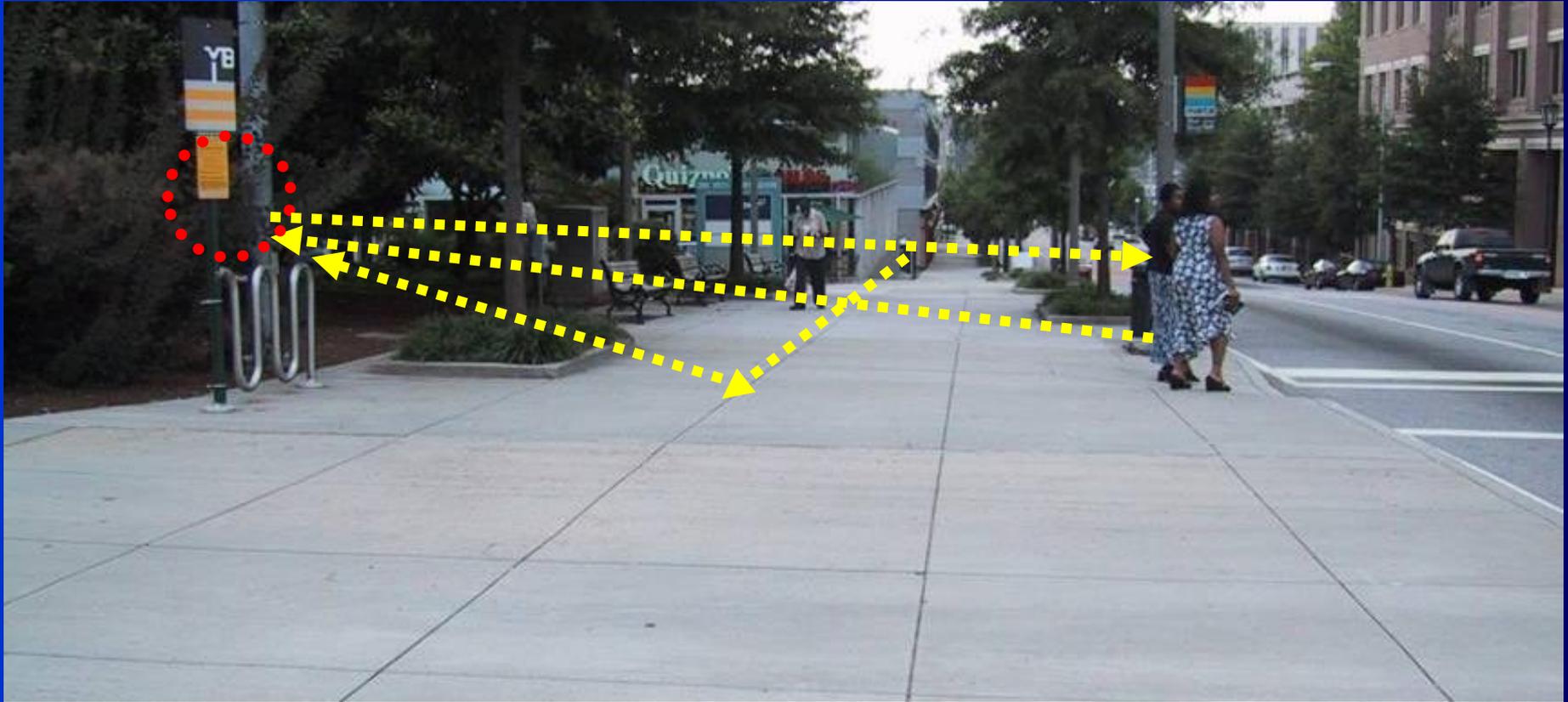
Accessible Pedestrian Signals



Accessible Pedestrian Signals



Pedestrian Push Button Location



- Find the pushbutton. Now line up to cross.
- Missed your chance? Do it again

Accessible Pedestrian Signals

Button

- Face of button parallel to crosswalk
- Mounted at 42" (48" max used to be 54")
- Max. 5 lbs pressure to activate

Sign

- Adjacent to button – explains purpose and use
- Must clearly indicate crosswalk direction



Accessible Pedestrian Signals

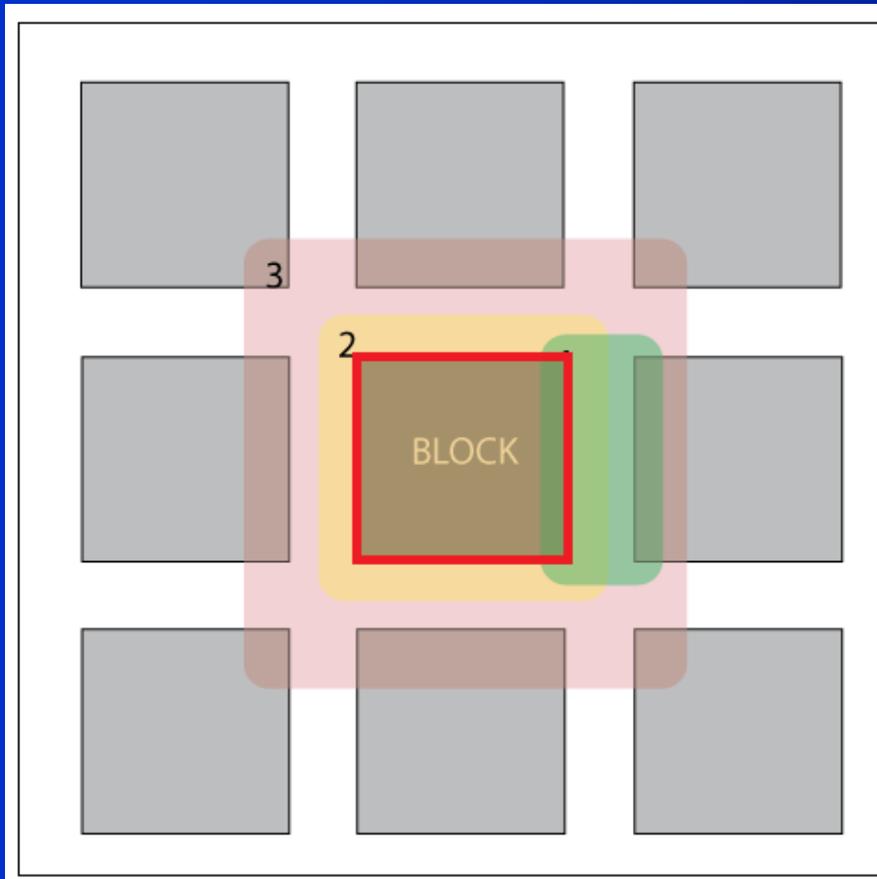
Accessible Features

- Tactile arrow indicates direction
- Audible and vibrotactile detectors required
- Locator tone (preferred)
- - 10 ft. separation, or speech indication
- - Speech walk criteria MUTCD 4E.11
- - Volume adjusts for ambient noise
- - Extended Press Features



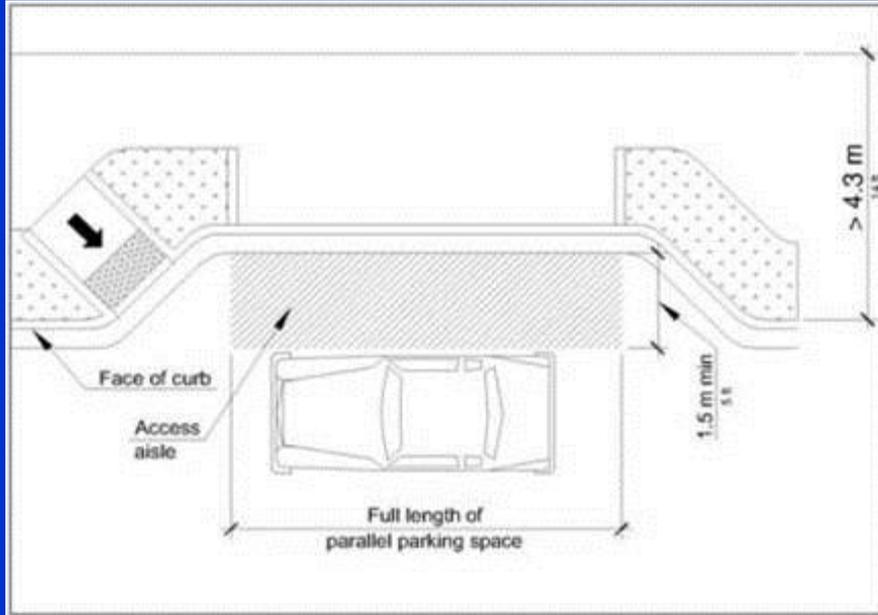
On-Street Parking

On-Street Parking Scoping



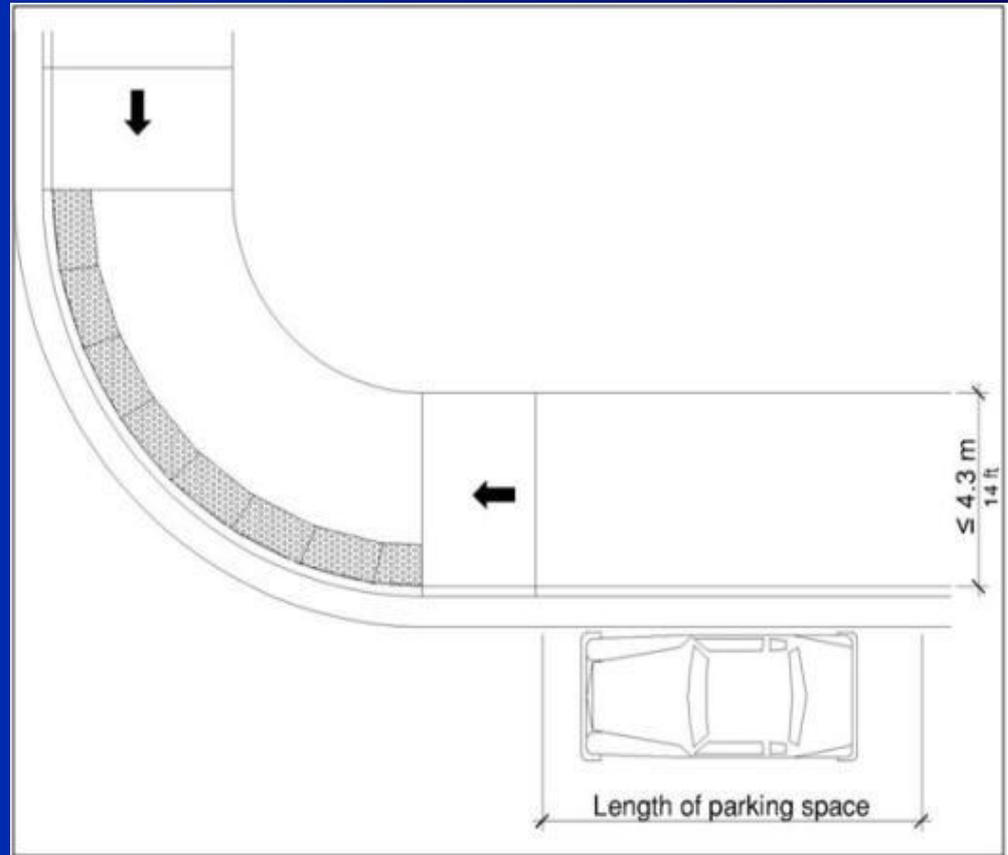
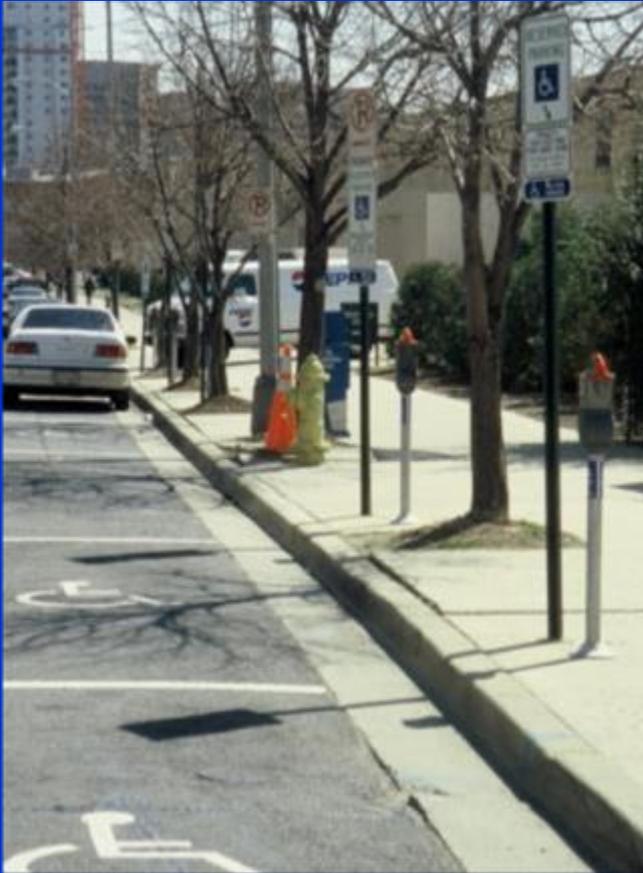
- Number of accessible spaces is based upon total on a block perimeter
- Scoping Section R214
- No van parking required

On-Street Parking in a Wide ROW



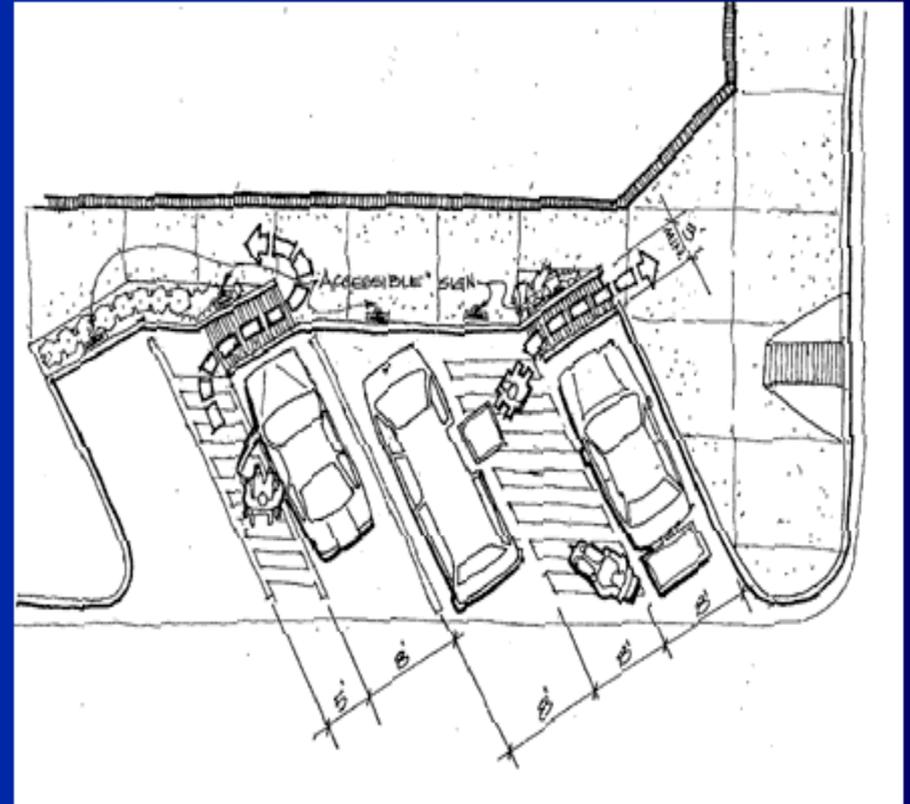
Where the width of the adjacent sidewalk or available right-of-way exceeds 14 ft. an access aisle is required

On-Street Parking in a Narrow ROW



Narrow sidewalks – an access aisle is not required

On-Street Parking



Angled (or perpendicular) on-street parking

Transit Stops and Shelters

Transit Stops & Shelters



Connect boarding areas, shelters and accessible route to a pedestrian access route

Transit Stops & Shelters



Rule covers boarding and alighting area for lift or ramp deployment as well as clear space in shelters

Snow removal plowing, sidewalks, curb ramps...bus shelter, etc.



Snow removal plowing, sidewalks, curb ramps...bus shelter, etc.

28 CFR part 35.133 Maintenance of accessible features

1. Maintain features and equipment that are required to be accessible.
2. Temporary interruptions in service or access due to maintenance or repairs is okay.

ADA/Section 504

U.S. Department of Transportation

Q&A

www.fhwa.dot.gov/civilrights/programs/ada_sect504qa.cfm#q3

Q. What day-to-day maintenance is a public agency responsible for under the ADA?

A. Public agencies must ensure that the day-to-day operations keep the path of travel on pedestrian facilities usable for persons with disabilities...this includes snow removal.

Questions?

ROW@access-board.gov

www.access-board.gov

