

# Outdoor Developed Areas

- Trails
- Picnic/Camping
- Beach Access Routes
- Viewing areas



**DRAFT FINAL  
ARCHITECTURAL BARRIERS ACT  
(ABA)  
ACCESSIBILITY GUIDELINES**

**Camping Facilities  
Picnic Facilities  
Viewing Areas  
Trails  
Beach Access Routes**

# Background on Draft Final Guidelines

- **Regulatory Negotiation Committee Final Report - 1999**
- **NPRM – 2007**
- **Comment period**
- **Federal partners/Board members involvement**
- **Draft final guidelines 10/2009**
- **Comment Period closed December 2009**

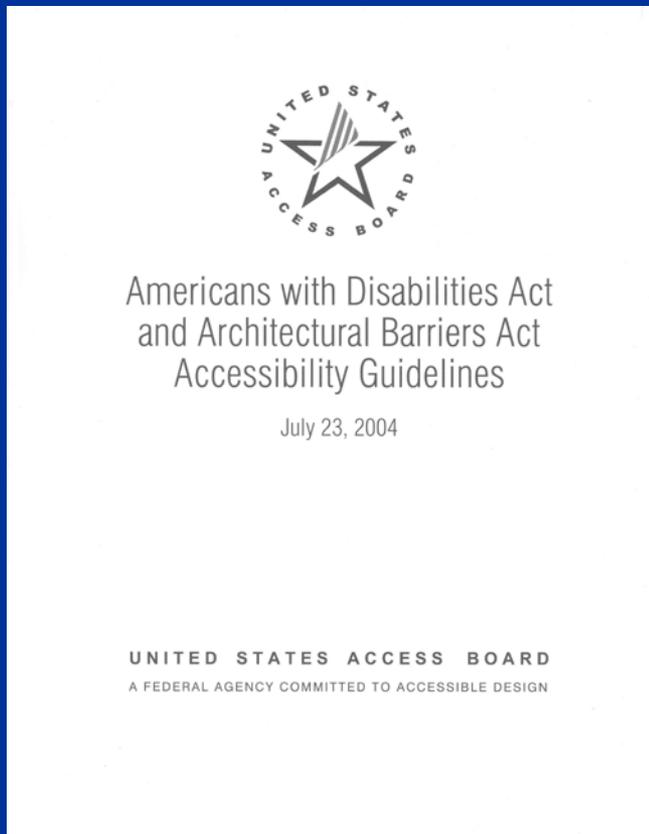


# Application

- Final guidelines will apply to outdoor developed facilities “constructed or altered by or on behalf of the Federal government”
- Future rulemaking will apply guidelines to facilities constructed or altered -
  - “with Federal grants or loans” (ABA)
  - covered by Title II or III of the ADA

# ADA-ABA Accessibility Guidelines

## Format and organization



**ADA Chapter 2  
Scoping**

**ABA Chapter 2  
Scoping**

**Technical  
Chapters  
(3 – 10)**

# **ABA Chapter 2: Scoping Requirements**

- **F244 Camping Facilities**
- **F245 Picnic Facilities**
- **F246 Viewing Areas**
- **F247 Trails**
- **F248 Beach Access Routes**

# Chapter 10: Recreation Facilities

- 1011 Outdoor Constructed Features
- 1012 Parking Spaces within Accessible Camping Units and Picnic Units
- 1013 Tent Pads and Tent Platforms
- 1014 Camp Shelters
- 1015 Viewing Areas
- 1016 Outdoor Recreation Access Routes
- 1017 Trails
- 1018 Beach Access Routes
- 1019 Conditions for Exceptions

# Outdoor constructed features

- Picnic tables
- Fire rings
- Grills
- Fireplaces and woodstoves
- Trash and recycling containers
- Water hydrants
- Utility and sewage hookups
- Outdoor rinsing showers
- Benches
- Telescopes and periscopes

# Outdoor constructed features

- Picnic tables – one wheelchair space for each 24 linear feet of usable table surface, knee and toe clearance required at space (306)



# Outdoor constructed features

- Fire rings, grills, fireplaces, and woodstoves –
  - fire building surface - 9 inches minimum above ground
  - cooking surface – 15 inches minimum – 34 inches maximum above ground.

# Outdoor constructed features

- Water spouts – 28 inches minimum – 36 inches maximum
- Outdoor rinsing showers – at least two fixed heads
  - 48 inches minimum – 54 inches maximum
    - exception where hand held is provided
  - 72 inches minimum

# Outdoor constructed features

- Telescopes and periscopes – eyepieces located between 43 inches minimum and 51 inches maximum
- Operable parts – exceptions for several features



# Outdoor constructed features

- **Clear ground space – exception where feature is altered, but surface is not OR where conditional exceptions permit departures in alterations**
- **Size and location – addressed in a table for each element**
- **Surface – firm and stable**
- **Surface slope – 1:33 except asphalt, concrete, or boards = 1:48 maximum**
- **Openings – (302.3)**

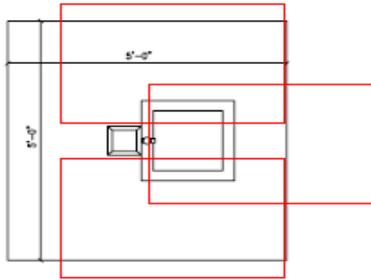
<b>Outdoor Constructed Feature</b>	<b>Minimum Size and Location</b>
<b>Picnic tables</b>	36 inches along all usable sides of the table
<b>Fire rings, grills, fireplaces, and woodstoves</b>	48 inches by 48 inches on all usable sides of the fire ring, grill, fireplace, or woodstove Center the space on each usable side

**Outdoor  
Constructed  
Feature**

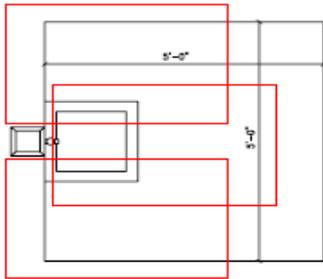
**Minimum Size and Location**

**Water hydrants**

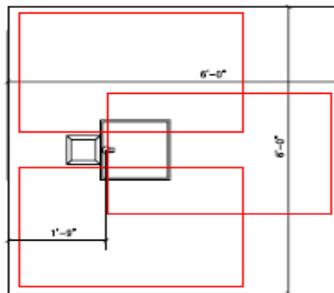
48 inches by 72 inches  
Locate the space so that the  
water spout is 11 inches  
minimum and 12 inches  
maximum from the rear center  
of the long side of the space



OPTION A - PER AGODA



OPTION B - PER CA STATE PARK PHOTO



OPTION C



<b>Outdoor Constructed Feature</b>	<b>Minimum Size and Location</b>
<b>Utility and sewage hookups</b>	30 inches by 60 inches Locate space so that the hook-ups are at the rear center Bollards may not obstruct the clear ground space
<b>Outdoor rinsing showers</b>	60 inches by 60 inches centered on the shower heads Locate the space so that the shower pedestal is at the rear end of the space

<b>Outdoor Constructed Feature</b>	<b>Minimum Size and Location</b>
<b>Benches</b>	36 inches by 48 inches positioned near the bench Clear ground space may not overlap the outdoor recreation access route or trail
<b>Telescopes and periscopes</b>	36 inches by 48 inches positioned for forward approach Eyepiece centered on the space Knee and toe clearance complying with 306

# Outdoor recreation access routes

- Surface – firm and stable
- Clear width – 36 inches minimum
- Passing space – required where width is less than 60 inches
- Obstacles – 1 inch maximum, except concrete, asphalt, or boards =  $\frac{1}{2}$  inch
- Openings – (302.3)

## ORARs



# Outdoor recreation access routes

- Cross slope – 1:33 maximum, except concrete, asphalt, or boards = 1:48
- Resting intervals – 60 inches in length minimum, adjacent to ORAR - turning space
- Protruding object – constructed elements

# Outdoor recreation access routes

- Camping facilities, picnic facilities, viewing areas, and trailheads **ONLY**
- Conditional exceptions permitted when altering existing ORAR
- Where ORAR are provided within vehicular ways – exception for passing spaces, slope, and resting intervals
- Adjacent recreation facilities

# Outdoor recreation access routes

Running Slope of Segment of Outdoor Recreation Access Route		Maximum Length of Segment
Steeper than	But not Steeper than	
1:20	1:12	50 feet (15 m)
1:12	1:10	30 feet (9 m)

# Picnic facilities

- Two new terms
  - Picnic facility – developed for outdoor recreational purposes that contain picnic units
  - Picnic unit – outdoor space in a picnic facility that contains outdoor constructed features



# Picnic facilities

- At least 20% of picnic units in picnic facility where two or more picnic units are provided
- Two or fewer = each accessible
- 20% of outdoor constructed features in public and common use areas serving accessible picnic units
- Dispersion of accessible picnic units required
- ORAR connection

# Camping facilities

- Two new terms
  - Camping facility – developed for outdoor recreational purposes that contains camping units
  - Camping unit – outdoor space in a camping facility that contains outdoor constructed features, RV parking spaces, tent pads or tent platforms, or camp shelters

# Camping facilities

<b>Total Number of Camping Units Provided in Camping Facility</b>	<b>Minimum Number of Accessible Camping Units Required</b>
1	1
2 to 25	2
26 to 50	3
51 to 75	4
76 to 100	5
101 to 150	7
151 to 200	8
201 and over	8, plus 2 percent of the number over 200

# Camping facilities

- Applies to each type of camping unit provided
- Dispersion of accessible camping units required
- Multiple features within accessible units = 20% but at least 2
- At least 20% of ocf's in public and common use areas serving accessible camping units
- ORAR connection



# Camping facilities

- Parking spaces within accessible camping units
  - RV space – 20 feet wide minimum, exception for 16 feet where two adjacent spaces are provided
  - Other vehicles – 16 feet wide minimum
  - Surface – firm and stable
  - Slope - 1:33 maximum, except asphalt, concrete, or boards = 1:48



# Camping facilities

- Tent pads and tent platforms
  - Clear ground space – 48 inches on all usable sides, exception where conditional exceptions apply
  - Surface – stable and firm
  - Slope – 1:33 maximum, except asphalt, concrete, or boards = 1:48
  - Tent platform – 19 inches maximum above surface



# Camping facilities

- Camp shelters – conditional exceptions may apply
  - Clear ground space at entrance – 36 inches minimum by 48 inches minimum
  - Surface – firm and stable
  - Slope – 1:33 maximum, except asphalt, concrete, or boards = 1:48
  - Floor height where elevated at entrance - 19 inches maximum above ground
  - Where level entry or ramped entry is provided – turning space required

- Outdoor space developed for viewing a landscape or point of interest
- 20% of each type of outdoor constructed feature
- ORAR connection

## Viewing areas



# Viewing areas

- Clear ground space –
  - at each distinct viewing location
  - 36 inches minimum by 48 inches minimum positioned for forward or parallel approach
  - one full unobstructed side of space to adjoin or overlap an ORAR, trail, or another clear ground space

Conditional exceptions permitted when altering existing viewing areas

# Viewing areas

- Unobstructed view
  - provided between 32 inches and 51 inches above the clear ground space
  - exception where guardrails or other safety barriers are provided to protect visitors from drop-offs
- Turning space required
- Surface – firm and stable
- Slope – 1:33 maximum, except asphalt, concrete, or boards = 1:48

# Trails

- Pedestrian route developed primarily for outdoor recreational purposes
- Newly constructed/altered trail directly connected to a trailhead or another trail complying with guidelines
- Conditional exceptions permitted – new and altered
- Shared use paths to be addressed in upcoming rulemaking

# Trailheads

- Outdoor space developed to serve as an access point to a trail
  - Not a junction of two or more trails where no other access point is provided
- 20% of each type of outdoor constructed feature provided within trailhead to be accessible



# Trail signs

- New signs provided at trailheads on newly constructed or altered trails
- Required information
  - length of the trail or trail segment
  - surface type
  - tread width (typical/minimum)
  - running and cross slope (typical/maximum)



# Trails

- Surface – firm and stable
- 36 inches minimum width
- Passing spaces – every 1,000 feet where less than 60 inches in width
- Tread obstacles – 2 inches maximum, except concrete, asphalt, or board =  $\frac{1}{2}$  inch
- Openings –  $\frac{1}{2}$  inch maximum (302.3)



# Trails

Running Slope of Trail Segment		Maximum Length of Segment
Steeper than	But not Steeper than	
1:20	1:12	200 feet (61 m)
1:12	1:10	30 feet (9 m)
1:10	1:8	10 feet (3050 mm)

# Trails

- Cross slope – 1:20 max, except concrete, asphalt, or boards = 1:48
- Resting intervals – 60 in. long, alongside trail - turning space, slope 1:20 max, except concrete, asphalt, or boards = 1:48
- Protruding objects – “constructed features”
- Gates and barriers – clear width, gate hardware



# Conditional exceptions

- Apply on a provision-by-provision basis
- Where full compliance with a technical provision is not possible because of the limitations and constraints included in the conditional exceptions ...
- “maximum extent feasible”

# Conditional exceptions

- Document where conditional exceptions are used for specific provisions for trails and beach access routes
- Include in project file
  - Documentation not required where conditional exceptions are used for outdoor constructed features, outdoor recreation access routes, tent pads and platforms, camp shelters or viewing areas

# Conditional exceptions

- When applying conditional exceptions to portions of the trail results in exempting the entire trail or beach access route from the technical provisions ...
- Notify the Board where an entire trail or beach access route is exempted
- Technical assistance available

# Conditional exceptions

- Compliance is not feasible due to terrain
- Compliance cannot be accomplished with the prevailing construction practices



# Conditional exceptions

- Compliance would fundamentally alter the function or purpose of the facility or the setting
- Compliance is precluded by the:
  - Endangered Species Act;
  - National Environmental Policy Act;
  - National Historic Preservation Act;
  - Wilderness Act; or
  - Other Federal, State, or local laws

# Beach access routes

Where required –

The construction or alteration of any of the following facilities to serve the beach:

1. Circulation paths;
2. Parking facilities;
3. Toilet facilities; or
4. Bathing facilities

Exception limits the cost of the beach access route to no more than 20 percent of the cost of constructing or altering the facilities

# Beach access routes

- Where required
  - Where an entity undertakes a beach nourishment project, a beach access route is required
  - Exception limits the cost of the beach access route to no more than 20% of the cost of a beach nourishment project

# Beach access routes

- Permanent or removable
- Minimum number – at least one for each ½ mile of shoreline managed by the entity
  - Not required to exceed the number of pedestrian access points to a beach provided by the entity



# Beach access routes

- Connections -
  - High tide level
  - Mean high water
  - Normal recreation pool
- Clear width - 60 inches min.
- Surface - firm and stable
- Obstacles - 1 inch max, except concrete, asphalt, or boards = ½ inch
- Openings - (302.3)



# Beach access routes

Running Slope of Segment of Beach Access Route		Maximum Length of Segment
Steeper than	But not Steeper than	
1:20	1:12	50 feet (15 m)
1:12	1:10	30 feet (9 m)

# Beach access routes

- Exception for slope and resting intervals where removable surface is used
- Cross slope – 1:33 maximum, except concrete, asphalt, or boards = 1:48
- Resting intervals – 60 inches by 60 inches
- Protruding objects – constructed element



# Beach access routes

- Elevated dune crossings
  - Where part of beach access routes
    - Handrails
    - Edge protection
    - Clear width 48 inches minimum
    - No requirement for resting intervals



# Next steps

- Review comments
- Complete Regulatory Flexibility Analysis/NEPA
- Submit to OMB
- Publish final
- Publish technical assistance material
- Adoption by standard setting agencies
- Rulemaking under the ADA and ABA (Federal grants and loans)

# How to reach the Board

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**OR (202) 272-0080**

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# Further resources

Where to find the ADA Guidelines on Recreation Facilities:

[www.access-board.gov/ada-aba/ada-standards-doj.cfm#recreation](http://www.access-board.gov/ada-aba/ada-standards-doj.cfm#recreation)

Where to find the outdoor developed areas guidance:

[www.access-board.gov/outdoor/index.htm](http://www.access-board.gov/outdoor/index.htm)

Where to find Ray:

[RAYPETTY@AOL.COM](mailto:RAYPETTY@AOL.COM)

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