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2

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4

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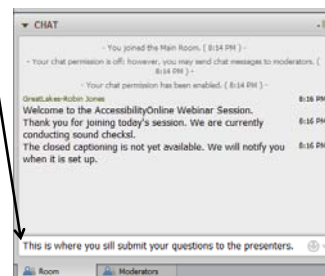- The caption screen can be accessed by choosing the ⊞ icon in the Audio & Video panel.

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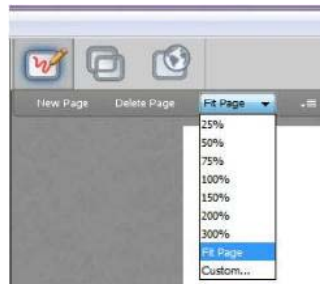
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6

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Customize Your View *continued*

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8

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9

Accessible Transportation Facilities

10

Presenters

Melissa Anderson
U.S. Access Board

Scott Windley
U.S. Access Board

11

Session Agenda

- **Introduction**
- **General Access to the Facility**
- **Unique Provisions**
- **Additions in DOT Standards**
- **Q & A**

12

Transportation Facilities

All publicly owned modes and means of transporting people and goods, including the physical facilities... including, but not limited to... aviation facilities, port facilities, rail facilities, public transportation facilities...
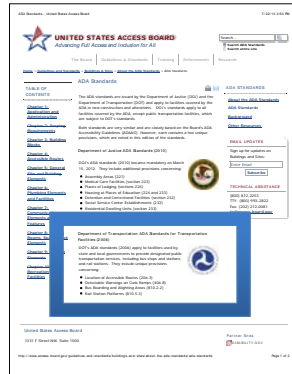
13

Transportation Facilities

14

NEW ADA Standards

DOT's 2006 standards

15

Chapters 1 and 2

Application and Administration

101 – Purpose

102 – Dimensions for Adults and Children

103 – Equivalent Facilitation

104 – Conventions

105 – Referenced Standards

106 – Definitions

201 – Application

All areas of newly designed/ constructed facilities to comply, unless indicated

16

Transportation Facilities (218)

- **Bus Shelters**
- **Rail Stations**
- **Key Stations and Existing Intercity Stations**
- **Other Facilities (e.g., airports)**

17

Accessible Routes (206)

Scoping for routes, route elements, & where required:

- **Route Elements**
  - **entrances**
  - **doors**
  - **elevators**
  - **platform lifts**
  - **security barriers**

- **Where Required**
  - **Site arrival points**
  - **within sites**
  - **between stories**
    - **(elevator exceptions)**
  - **space and elements**
  - **specific spaces**
    - **(e.g., restaurants & cafeterias, performance areas, press boxes, employee work areas)**

18

206.3 Accessible Routes

Elements such as ramps, elevators, or other circulation devices, fare vending or other ticketing areas, and fare collection areas shall be placed to minimize the distance which wheelchair users and other persons who cannot negotiate steps may have to travel compared to the general public.

19

Passenger Loading Zones (209)

Minimum of 1 accessible loading zone for every 100 linear feet of loading zone

20

Drinking Fountains (211)

Where provided on an exterior site or floor,

- **2 required: wheelchair accessible & standing access**
- **alternative: single unit with dual access**
- **multiple installations: 50% of each type**

21

Toilet & Bathing Facilities (213)

- **Scoping for rooms & elements**
- **Toilet rooms clustered at 1 location: 50% scoping**
- **Unisex toilet rooms**
- **Urinals - access required where more than 1 provided**

22

Signs (216)

- **Tactile, Braille and visual – labels for permanent rooms & spaces, exit doors**
- **visual – directional and/or informational signs**
- **exempt: temporary signs, building menus, directories, addresses, company names and logos, bus schedules**

23

Signs (216)

Specific provisions for ISA:
- **means of egress**
- **parking**
- **entrances**
- **elevators**
- **toilet and bathing rooms**
- **TTYs**
- **check-out aisles**

24

Telephones – TTYs (217)

Scoping based on pay phones provided:

- **Banks of phones, Floors, Buildings, and exterior sites**

Additional scoping for:

- **rest stops, emergency roadside stops, service plazas**
- **hospitals**
- **transportation facilities**
- **detention and correctional facilities**

25

Assistive Listening Systems (219)

Required where:

- **audible communication = integral to use of the space and audio amplification is provided (different for courtrooms)**
- **No longer based on fixed seating or occupant load**

26

ATMs & Fare Machines (220)

Access to at least 1 of each type at each location

27

ATMs & Fare Machines (220)

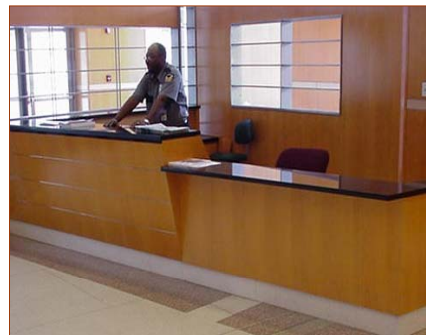**Access to at least 1 of each type at each location**

28

Storage (225)

- **Lockers (5%)**
- **Self-service shelving**
- **Self-service storage spaces:**
  - **5% (up to 200)**
  - **2% (over 200)**

29

Sales & Service Counters (227)

- **Sale counters**
- **Service counters**
- **Check-out aisles**
- **Food service lines**
- **Queues**
- **Waiting lines**

30

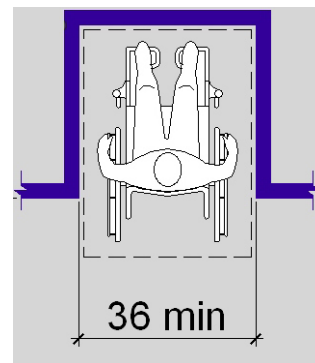## Two-Way Communication Systems (230)

- applies where provided
- audible and visual signals

31

Building Blocks (Chapter 3)

- Floor or Ground Surfaces
- Changes in Level
- Turning Space
- Clear Floor / Ground Space
- Knee and Toe Clearance
- Protruding Objects
- Reach Ranges
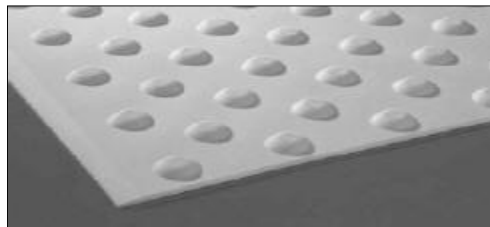- Operable Parts

36 min

32

Accessible Routes (Chapter 4)

- **Accessible Routes**
- **Walking Surfaces**
- **Doors, Doorways, Gates**
- **Ramps**
- **Curb Ramps**
- **Elevators**
- **LULA Elevators**
- **Private Residence Elevators**
- **Platform Lifts**

33

Curb Ramps (406)

Detectable Warnings – DOT added section 406.8

Which requires 2ft or full depth;

Domes must comply with 705

34

406.8 Detectable Warnings

Detectable Warnings on curb ramps on transportation facility sites
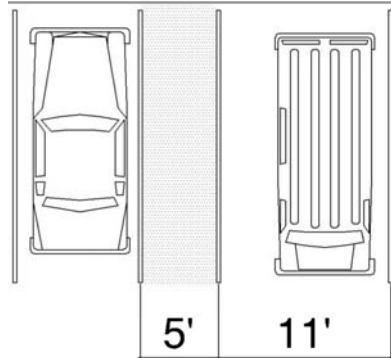
35

General Site & Building Elements (Chapter 5)

- **Parking**
- **Passenger Loading Zones**
- **Stairways**
- **Handrails**

36

Parking (502)

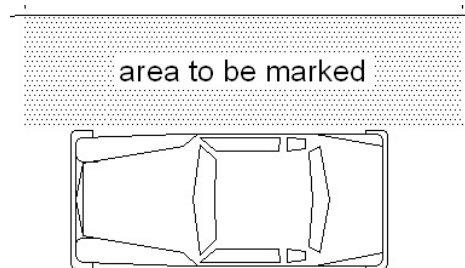- sign height (60" min.)
- marking of access aisles to discourage parking in it

5'   11'

37

Passenger Loading Zones (503)

- aisles - same level as pull-up space
- aisles to be marked
- no level changes in space or aisle

area to be marked

38

Plumbing Elements & Facilities (Chapter 6)

- Drinking Fountains
- Toilet & Bathing Rooms
- Water Closets & Toilet Compartments
- Urinals
- Lavatories & Sinks
- Bathtubs
- Shower Compartments
- Grab Bars
- Seats
- Washing Machines & Clothes Dryers
- Saunas & Steam Rooms

39

Communication Elements & Features (Chapter 7)

- Fire Alarm Systems
- Signs
- Telephones
- Detectable Warnings
- Assistive Listening Systems
- ATMs & Fare Machines
- Two-Way Communication Systems

40

Visual Characters (703.5)

- **Of conventional form**
- **character proportion, height, & spacing**
- **location (40" min. height)**
- **stroke thickness**
- **line spacing**
- **finish & contrast**

41

Visual Characters (703.5)

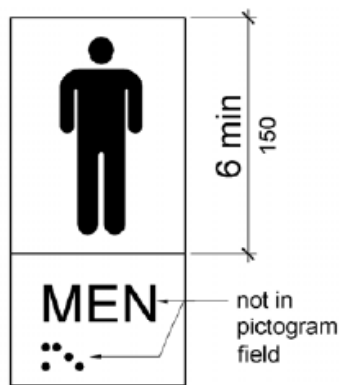**Height of sign based on viewing distance**

42

Visual Characters (703.5)

Height of sign based on viewing distance

Sign must contrast light on dark or dark on light

43

Pictograms (703.6) ISAs (703.7)

6 min / 150

MEN — not in pictogram field

44

Detectable Warnings (705)

- greater range of designs & products allowed
- dome diameter (range)
- spacing (range)
- color contrast

45

ATMs & Fare Machines (707)

- **Height of controls**
  - **The change to the side reach to 48 inches**
- **Speech output**
  - **User controls**
- **Input features**
  - **Numeric keys**
  - **Braille Instructions**

46

Special Rooms, Spaces & Elements (Chapter 8)

- assembly areas
- dressing, fitting, and locker rooms
- kitchens and kitchenettes
- medical care and long-term care
- transient lodging
- prison cells
- courtrooms
- dwelling units
- transportation facilities
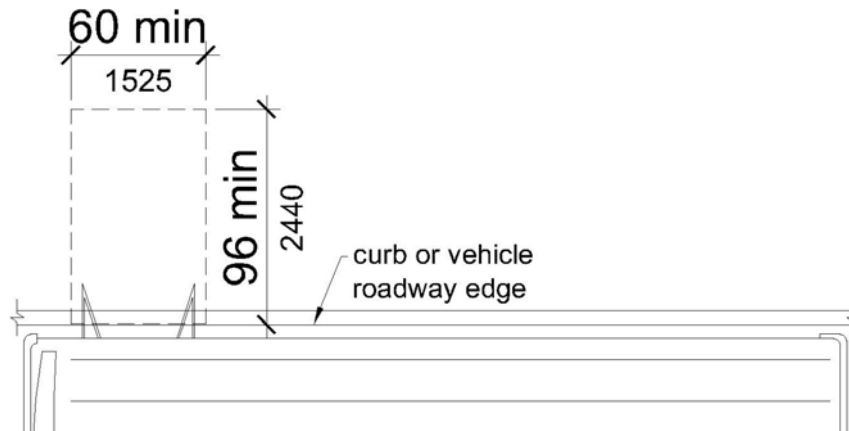- storage

47

Transportation Facilities (810)

- Bus Boarding and Alighting Areas (810.2)
- Bus Shelters (810.3)
- Bus Signs (810.4)
- Rail Platforms (810.5)
- Rail Station Signs (810.6)
- Public Address Systems (810.7)
- Clocks (810.8)
- Escalators (810.9)
- Track Crossings (810.10)

48

Bus Boarding and Alighting Areas (810.2)

- **Clear space: 96"x60"**
- **2% max slope perpendicular to road; can match slope of road parallel**

49

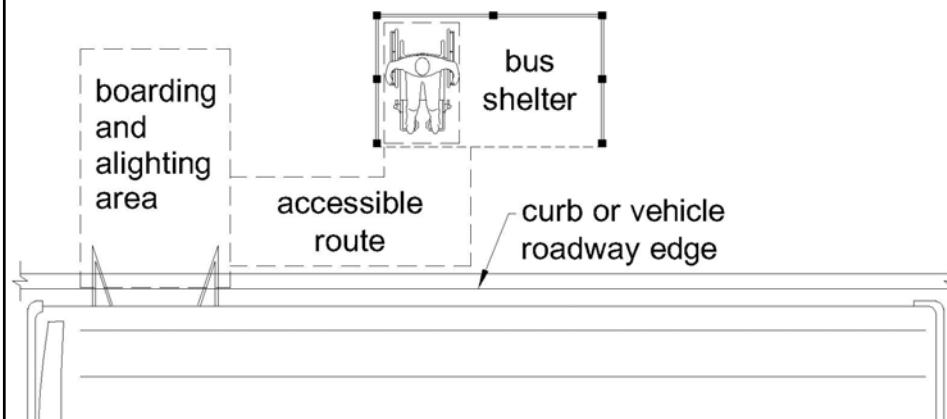## Bus Boarding and Alighting Areas (810.2)

50

Dimensions (810.2.2)

- **Public entities shall ensure that the construction of bus boarding and alighting areas comply with 810.2.2, to the extent the construction specifications are within their control**

51

Bus Shelters (810.3)

- **Space for wheelchair entirely within shelter**
- **Accessible route connection to boarding/alighting area**

Bus Shelters (810.3)

- **Accessible route must connect:**
  - **the space in the shelter**
  - **the boarding & alighting area**
  - **sidewalk or street**

53

Bus Shelters (810.3)

- **This shelter leaves a person stranded**

54

Bus Signs (810.4)

- **Must comply with the requirements of visual characters found in 703**

55

Bus Signs (810.4)

- **Schedules, timetables and maps not required to comply with 703**

56

Rail Platforms (810.5)

- **2% max slope except on existing street or track**
- **Detectable warnings along boarding area**
- **Level boarding is covered in DOT regulations**
- **Platform / vehicle complies with vehicle regulations (36 CFR Part 1192)**
- **Low-level platform 8 inches min above top of rail unless on street or from sidewalk**

57

Rail Platforms (810.5)

- **2% max slope except on existing street or track**

58

Rail Platforms (810.5)

- **Detectable warnings along platform boarding edge**

59

Rail Platforms (810.5)

- **Platform/vehicle complies with vehicle regulations (36 CFR Part 1192)**

60

Rail Platforms (810.5)

- **Platform 8" min above top of rail unless on street or from sidewalk**

61

Rail Platforms (810.5.3)

- **In light rail, commuter rail, and intercity rail systems where it is not operationally or structurally feasible to meet the horizontal gap or vertical difference requirements of part 1192 or 49 CFR part 38, mini-high platforms, car-borne or platform-mounted lifts, ramps or bridge plates or similarly manually deployed devices, meeting the requirements of 49 CFR part 38, shall suffice.**

62

Rail Station Signs (810.6)

- Signs shall not be required to comply with 810.6.1 and 810.6.2 where audible signs are remotely transmitted to hand-held receivers, or are user- or proximity-actuated.
- Entrances, platform, station names, routes on the platform: comply with 703.5
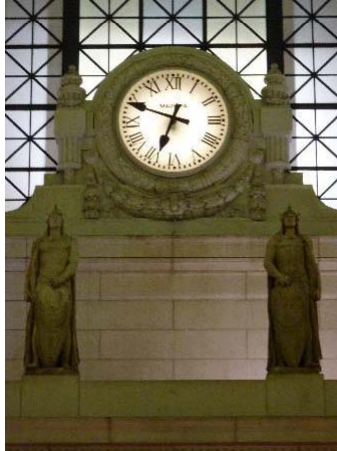

63

Public Address Systems (810.7)

- When audible, visual must be provided.

64

Clocks (810.8)

Easily seen; uncluttered

65

Escalators (810.9)

- **Comply with ASME A17.1**

66

Track Crossings (810.10)

- **Circulation paths serving boarding platforms that crosses tracks, must meet section 402.**
- **Flange way gap**

67

Built-In Elements (Chapter 9)

- **Dining & Work Surfaces**
- **Benches**
- **Check-Out Aisles & Service Counters**

68

DOT Specific Additions review

- Location of Accessible Routes (206.3)
- Detectable Warnings on Curb Ramps (406.8)
- Bus Boarding and Alighting Areas (810.2.2)
- Rail Station Platforms (810.5.3)

69

Questions?

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70

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71

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72