



#### **DISCLAIMER:**

The teachings contained here within this presentation are derived from guidance published by the United States of America Access Board, and can be found within the document title "Public Rights-of-Way Accessibilities Guidelines" (PROWAG) version 2011. As current, the proposed guidelines are currently waiting official legislation to enact them as 'Law'. The American Concrete Pavement Association offers this presentation as our view and understanding of the proposed guidelines, but disclaims any, and all, liability regarding the application of these thoughts. PROWAG is a federal publication, and as such, is generally created to express the 'minimum' for compliance. Agencies throughout the country may at any time chose to propose their own set of rules that meet, or exceed, those established by the federal government. The material, thoughts, and opinions contained here within are only thoughts and opinions of the presenters themselves, and in no way should be construed as legal absolutions.

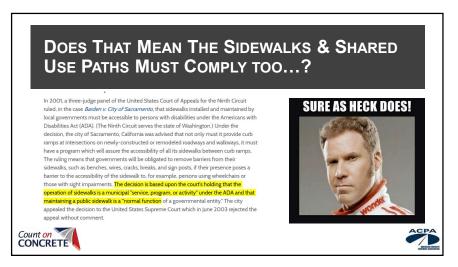


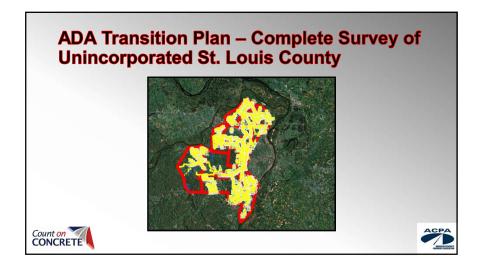


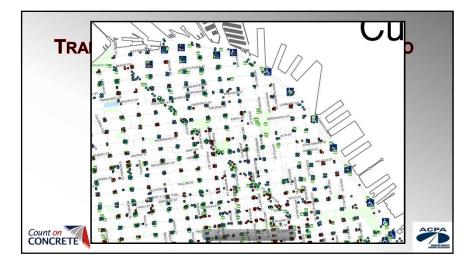


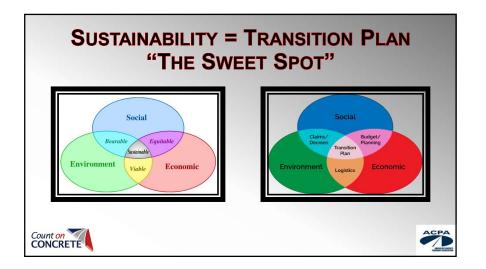


- In accordance with federal law, this transition plan must include a schedule for providing access features, including curb ramps for walkways. 26 CFR §35.150(d)(2). The schedule should first provide for pedestrian access upgrades to State and local government offices and facilities, transportation, places of public accommodation, and employers, followed by walkways serving other areas. 28 CFR §35.150(d)(2). The transition plan should accomplish the following:
- Identify physical obstacles in the public agency's facilities that limit the accessibility of its programs or activities to individuals with disabilities:
- Describe in detail the methods that will be used to make the facilities accessible;
- Specify the schedule for taking the steps necessary to upgrade pedestrian access to meet ADA and Section 504 requirements in each year following the transition plan; and
- Indicate the official responsible for implementation of the plan. 28 CFR  $\S 35.150(d)(3).$

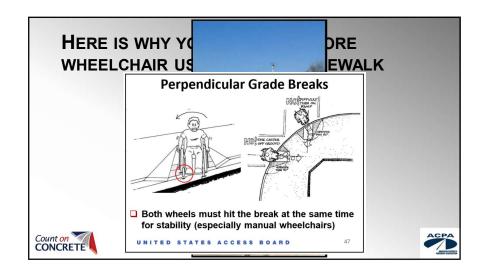




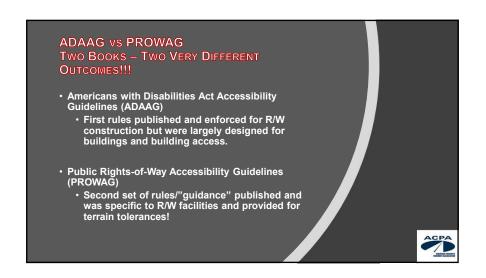




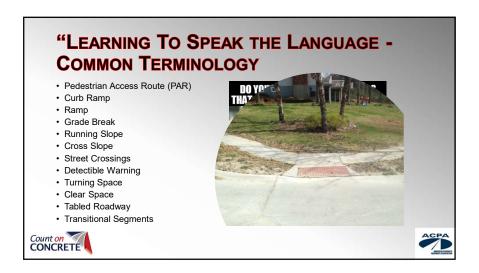


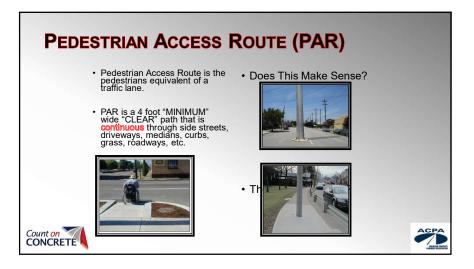


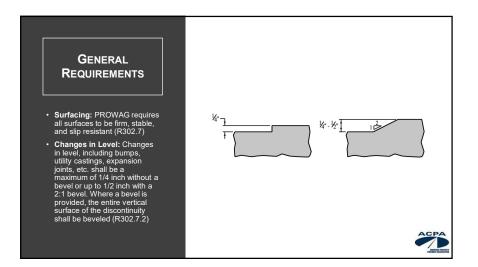






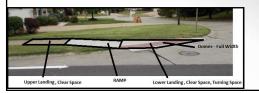






## **CURB RAMP ANATOMY**

- · Curb Ramps Include the Following Parts:
  - Landings?
  - Perpendicular Ramps = Landing at Top
  - Parallel Ramps = Landing at Bottom
  - Clear Spaces (4' X 4' Minimum)
  - Domes (2' Deep, Entire Width of the Opening)
  - Ramp (8.33% Maximum Running Slope "unless" greater than 15 feet)
- Grade Break (one at the top and one at the bottom of every ramp)
- Turning Spaces (2% X 2% at Stop Controlled Intersection, 5% X 5% at Signalized or Free Flow Intersections)
- Sometimes Flares (10% maximum if needed)
- Sometimes Curbs (To Help with Direction or Hold Grade)





#### **CURB RAMPS - TECHNICAL REQUIREMENTS** • Cross Slope: The maximum cross slope is 2.0% with a R302.5.1 Pedestrian Street Crossings. Where pedestrian access routes are contained within pedestrian street crossings, the grade of the pedestrian access route shall be 5 percent maximum. R302.6 Cross Slope. Except as provided in R302.6.1 and R302.6.2, the cross slope of pedestrian access routes shall be 2 percent maximum. R302.6.1 Pedestrian Street Crossings Without Yield or Stop Control. Where pedestrian access routes are contained within pedestrian street crossings without yield or stop control, the cross slope of the R302.6.2 Midblock Pedestrian Street Crossings. Where pedestrian access routes are contained within midblock pedestrian street crossings, the cross slope of the pedestrian access route shall be permitted to equal the street or highway grade surface of curb ramp runs and turning spaces. (R304.5.2)

CONCRETE

DOES RAMP WIDTH 'HAVE TO' = WALK WIDTH

- No not in the Public Right of Way Circulation Paths (Sidewalk PAR's)
- Per PROWAG Only on Shared Use Paths does the Ramp or Blended Transition Have to Equal the Width of the SUP

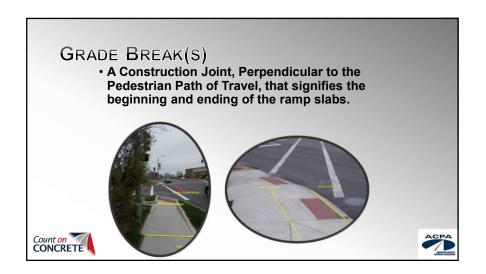
R304.5 Common Requirements. Curb ramps and blended transitions shall comply with R304.5.

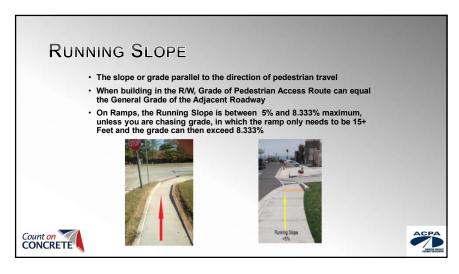
R304.5.1 Width. The width of curb ramps and blended transitions shall comply with 304.5.1.1 or 304.5.1.2, as applicable. If provided, flared sides of curb ramp runs and blended transitions shall be located outside the width of the curb ramp run or blended

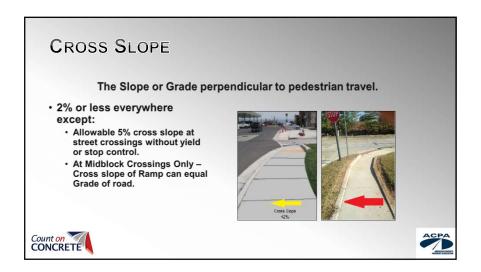
R304.5.1.1 Pedestrian Circulation Paths Other Than Shared Use Paths. In pedestrian circulation paths other than shared use paths, the clear width of curb ramp runs, blended transitions, and turning spaces shall be 1.2 m (4.0 ft) minimum.

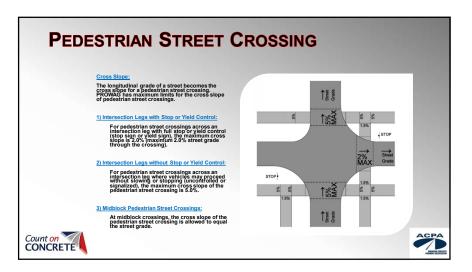
R304.5.1.2 Shared Use Paths. In shared use paths, the width of curb ramps runs and blended transitions shall be equal to the width of the shared use path.







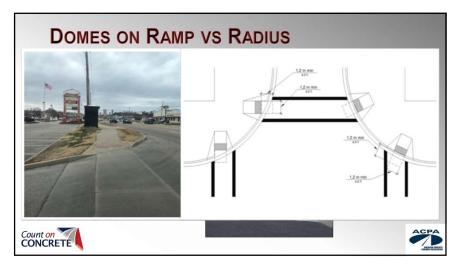


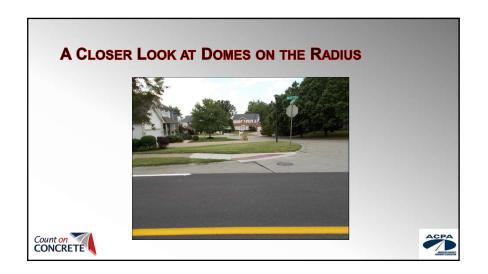




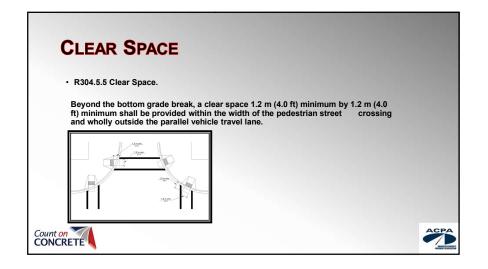


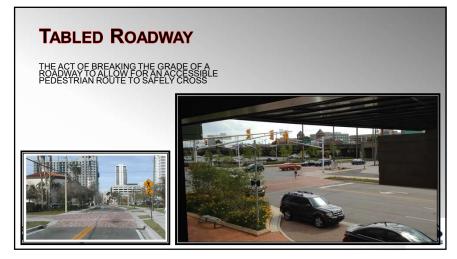














# STRAIGHT FROM PROWAG - UNDER SECTION TITLED "IMPACTS ON STATE AND LOCAL GOVERNMENTS"

• The requirements in the proposed guidelines in Table 2 will have no impacts on state and local transportation departments compared to the requirements in the DOJ 2010 Standards and industry practices, except for the 2 percent maximum cross slope requirement for pedestrian access routes contained within pedestrian street crossings with stop or yield control where vehicles slow or stop before proceeding through the intersection (see R204.3 and R302.6). This requirement will have more than minimal impacts on the design and construction of new tabled intersections in hilly urban areas that contain pedestrian street crossings with stop or yield control.









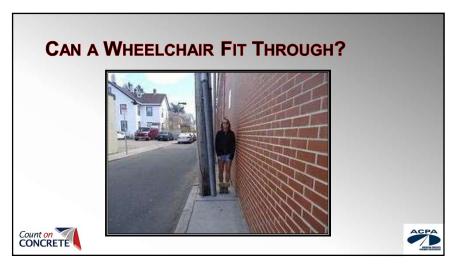


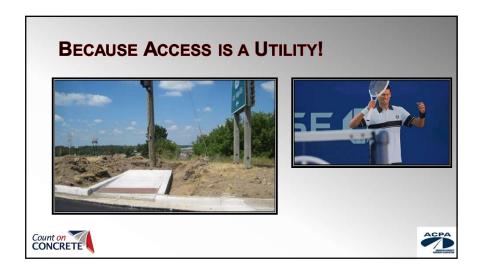




















### SESSION 2 OF OUR 2 PART ADA SERIES

- Will focus on how the ADA is being implemented in Wisconsin
- Will Highlight how Missouri is Using Innovative Job Special Provision & Standard Drawings to Maximize Cost Effective Compliance
- Will walk through a Curb Ramp Layout example
- Will Showcase a ADA Quick Reference Guide that will be made Available to All Registrants





