

ADA Quick Reference Guide

For Design and Construction Personnel

Pedestrian Access Route (PAR)



- Pedestrian access route in Public Right-of-Way shall be 4' wide minimum and clear of obstructions
 - No allowance for less than 4 foot
 - Island medians require 5' minimum clear width
- The grade of the PAR shall be allowed to equal the general grade of the road
- The cross slope of the PAR shall be 2% maximum except as follows:
 - Where cars do not have to yield or stop, cross slope may be increased to 5% maximum
 - At midblock crossings, cross slope may equal the grade of the connecting roadway
- The PAR includes the walkway, the curb ramps, driveway approaches, street crossing, & any median cut throughs.
- Path must be firm, stable, and slip resistant
 - Ponding water is not compliant
- If 4' minimum is built, a required 5' X 5' passing space is required every 200'
- And vertical separation of greater than 1/2" must be corrected

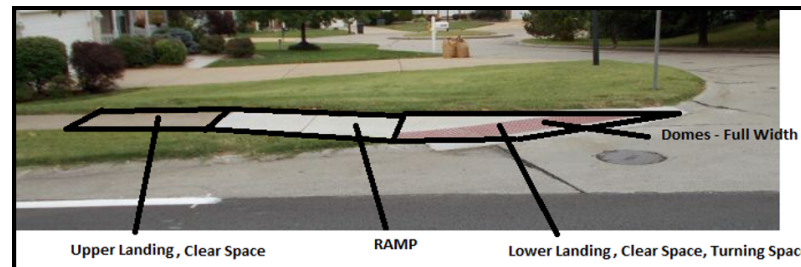
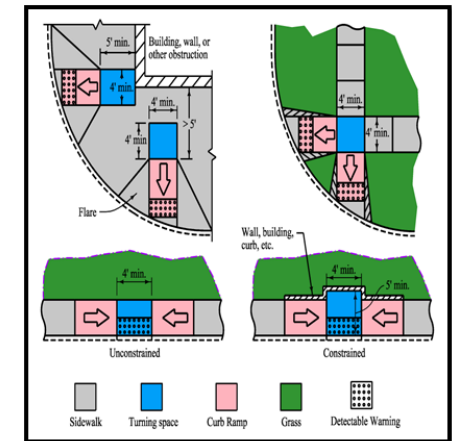
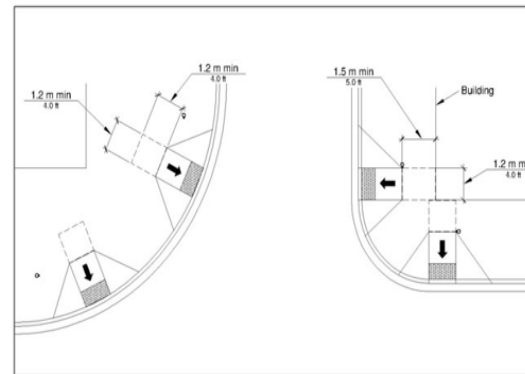
"THINK OF THE PEDESTRIAN ACCESS ROUTE AS ANOTHER LANE OF TRAFFIC"

Curb Ramps:

- Perpendicular – Ramp up to landing and/or turning space
- Parallel – Ramp down to turning space
- Diagonal – One street opening serving two crosswalks
 - Better design is to create a blended transition minimum of 8' wide
- Combination – Using any of the above in sequence to accessibly navigate grade changes
- Running Slopes between 5% and 8.3%
 - If conditions do not allow, ramps may exceed 8.3% if ramp is constructed of a constant slope for 15 foot or longer
 - Ramps greater than 8.3% and are less than 15 foot long are noncompliant
- Cross slope of ramp shall be 2% maximum, with the following exceptions:
 - Where cars do not have to yield or stop, cross slope may be increased to 5% maximum
 - At midblock crossings, cross slope may equal the grade of the connecting roadway
- Grade Breaks, located at the top and bottom of ramps shall be perpendicular to the direction of travel
- Other ramp details:
 - Clear space shall be 4' x 4' minimum and is located beyond the bottom grade break
 - Turning space is required where PAR intersections exist
 - Turning space shall be 2% x 2% with the following exceptions:
 - Cross slope may be 5% maximum when cars do not yield or stop
 - Cross slope may equal the grade of the connecting road at midblock crossings
 - If a median refuge is less than 6' in length, no domes shall be installed

Curb Ramp Fundamentals

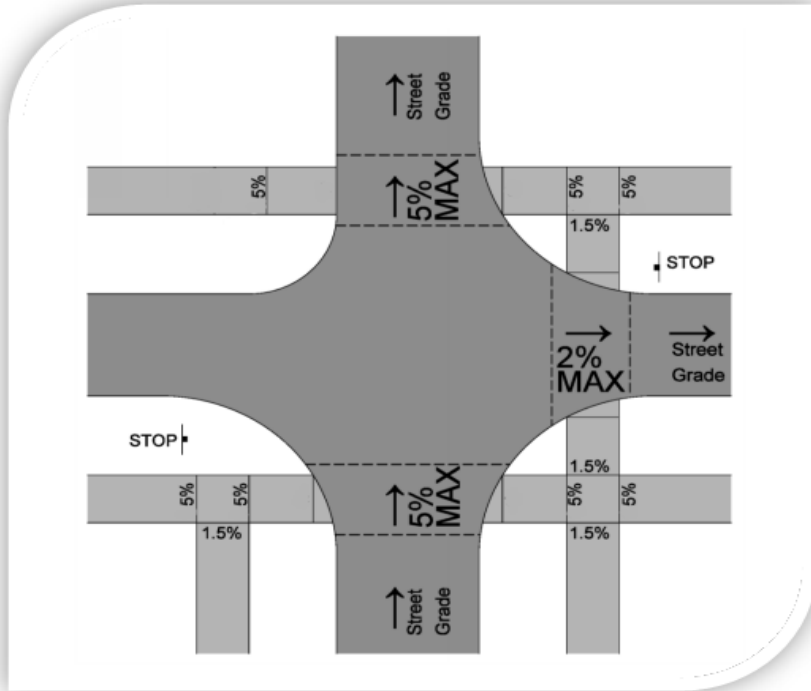
Figure R304.2.1 Turning Space



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Pedestrian Street Crossings

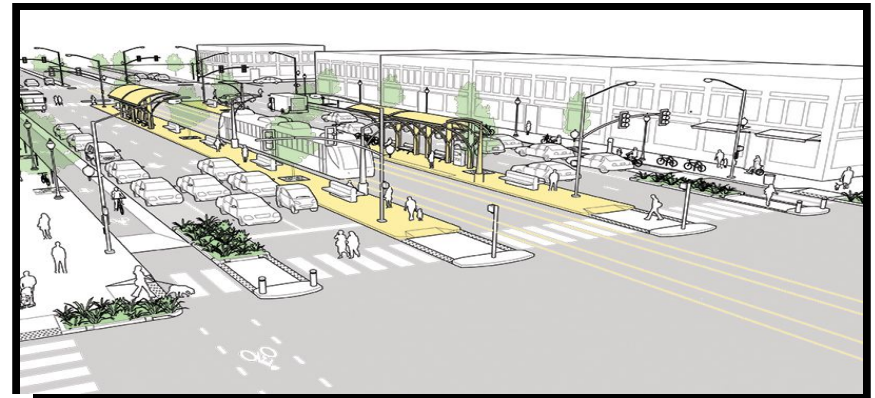


R302.5.1 Pedestrian Street Crossings. Where pedestrian access routes are contained within pedestrian street crossings, the **grade** of the pedestrian access route shall be **5 percent maximum**.

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 pedestrian access route shall be **5 percent maximum**.

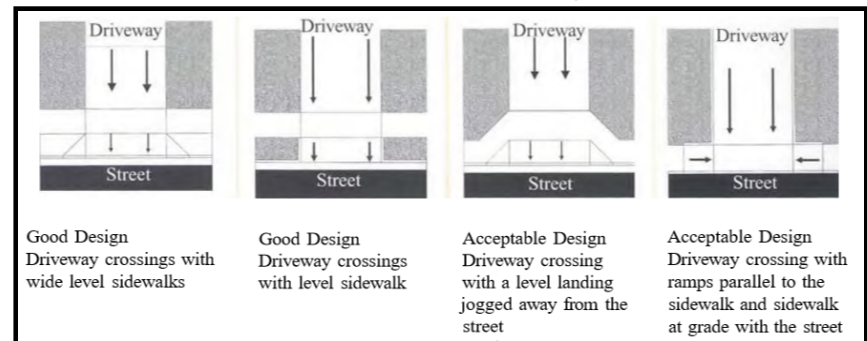
R302.6.2 Midblock Pedestrian Street Crossings. Where pedestrian access routes are contained within midblock pedestrian street crossings, the **cross slope** of the pedestrian access route shall be permitted to **equal the street or highway grade**.



Driveway Approaches:

- 2% maximum cross slope maintained thru approach
- 4 foot wide accessible width maintained
- Many approach pavements will require 'tabling' to achieve compliance
- Accessible route may be shifted up or down to achieve compliance while maintaining safe approach for cars
- If ramps are required on either side, domes should not be installed unless at heavy travel commercial entrances with stop or yield control

Driveway Approaches



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