



# ADA Accessibility on Public Right-Of-Way

12/7/16

*Your Destination...Our Priority*



# Curb Ramp/PROWAG Basics

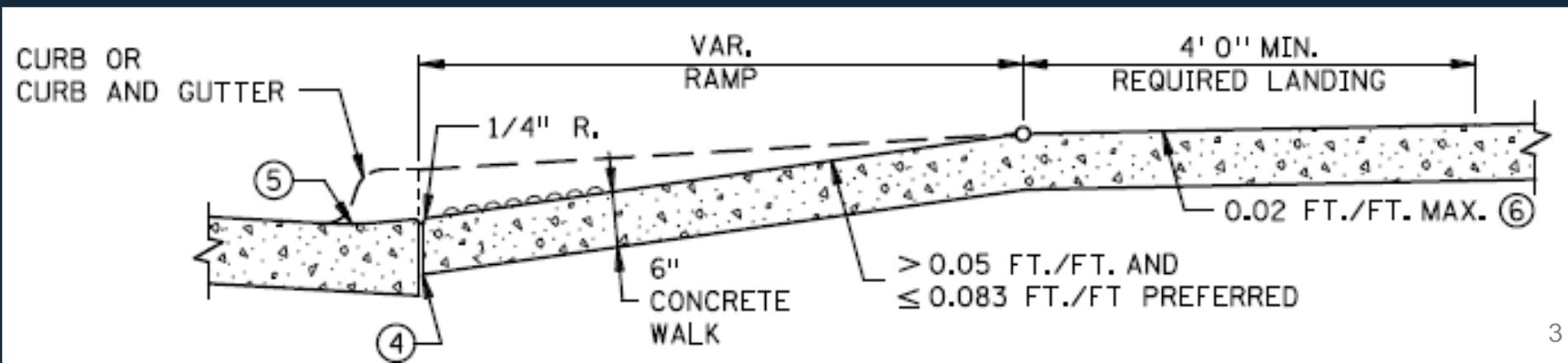


- Minimum 4 foot wide Pedestrian Access Route (PAR) with a maximum cross slope of 2% (1:50) is required.
- The PAR must be continuous and unobstructed.
- The PAR shall connect accessible elements, spaces and facilities.

# Curb Ramp/PROWAG Basics



- If longitudinal slope exceeds 5 percent (1:20), or there is a change in direction, landings must be provided on any pedestrian facility.
- Maximum ramp slope is 8.3 percent (1:12).
- Maximum length of initial ramp is 15 feet.
- Slopes and dimensions are **absolute**. PROWAG allows no tolerances for exceeding these maximums.





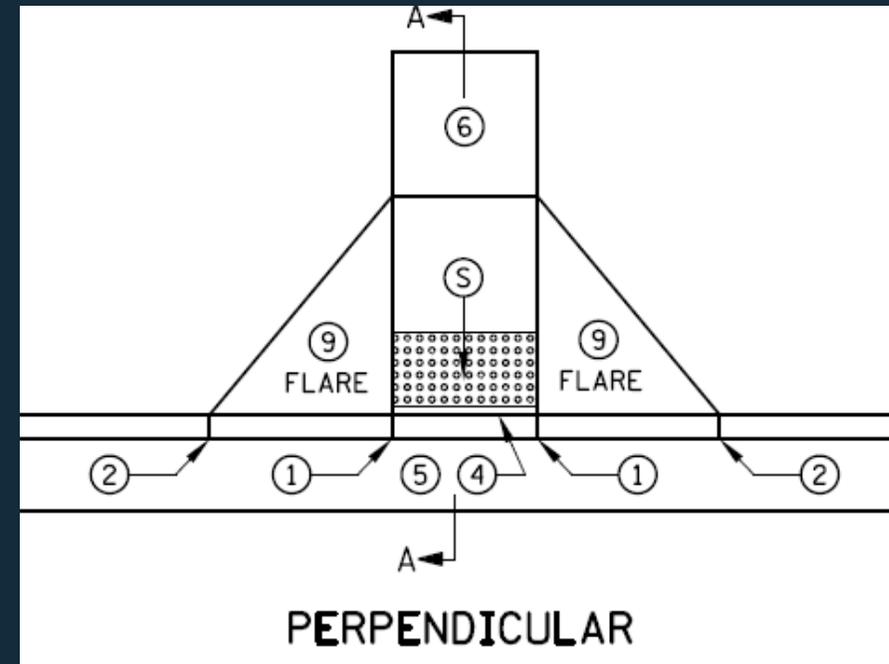
# Curb Ramp Types



- Perpendicular ramp
- Parallel ramp
- One-way directional ramp
- Combined directional ramp
- Depressed corner
- Tiered perpendicular ramp
- Fan ramp
- Diagonal ramp (not recommended)

# Perpendicular

- Ramp is perpendicular to the curb line.



# Tiered Perpendicular

- Used where the initial curb ramp cannot make up the elevation difference, so a secondary ramp is needed



# Parallel

- Ramp is parallel to the curb line.
- Landing occurs at the bottom of the ramp.

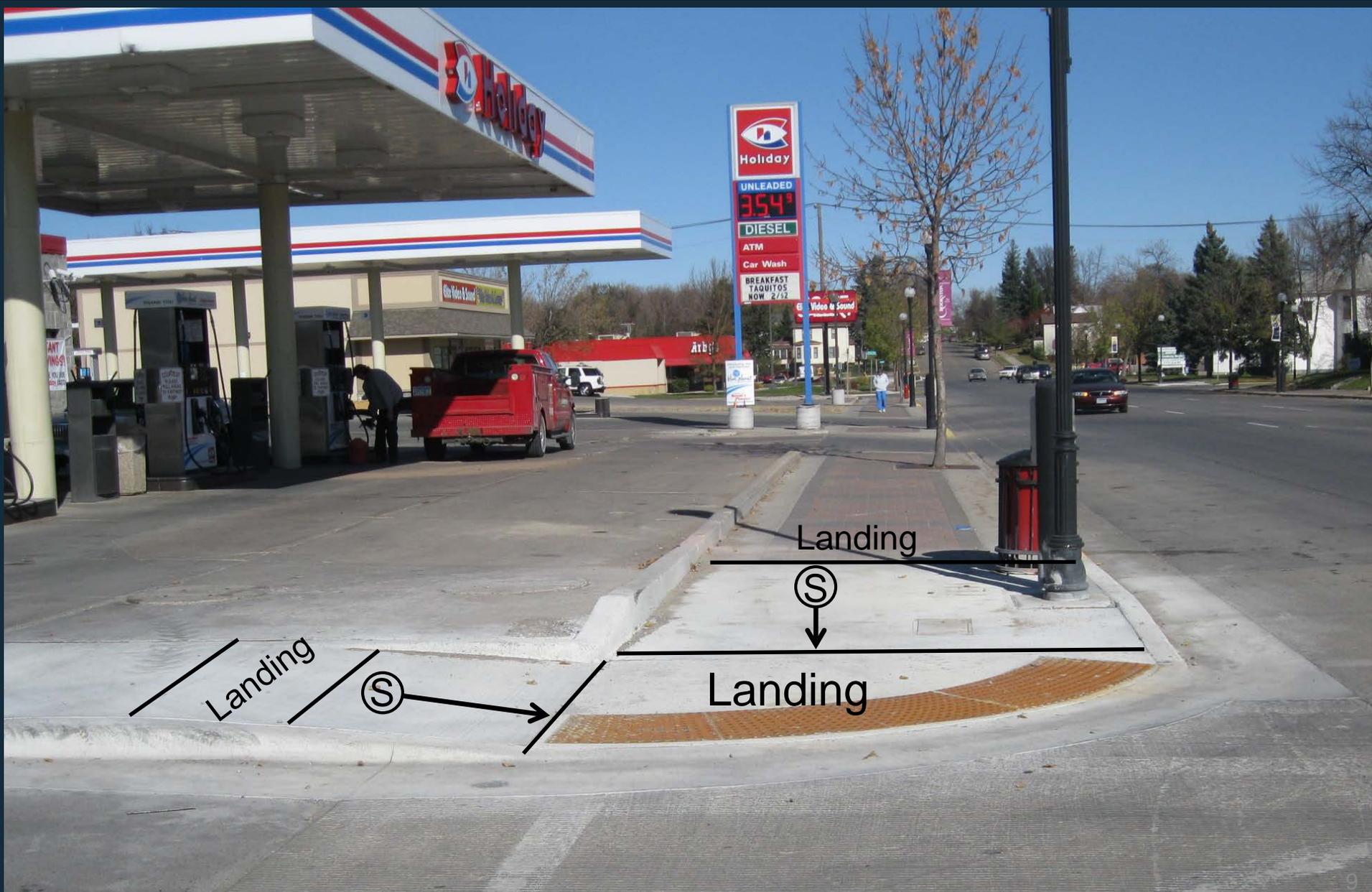


# Fan





# Depressed Corner

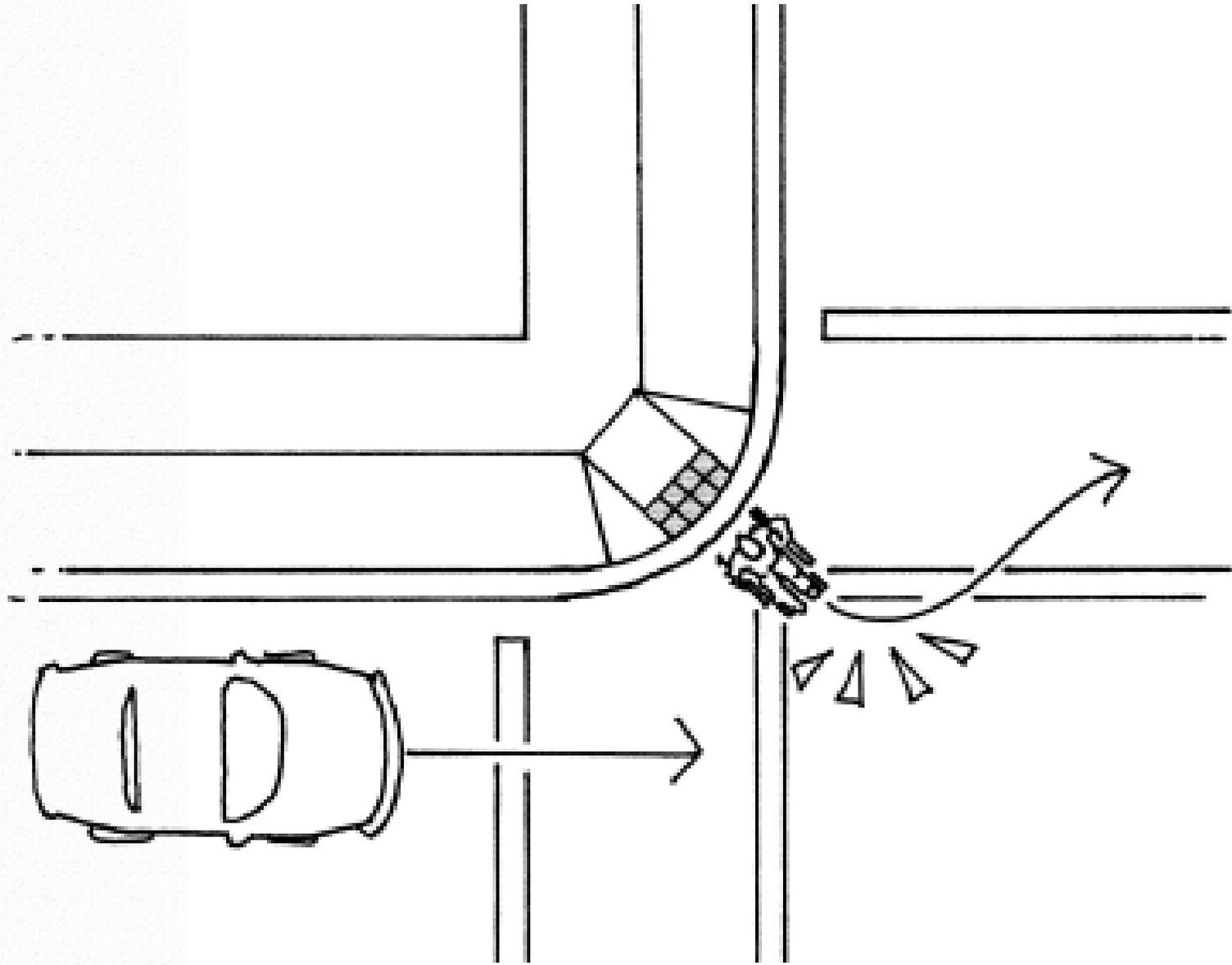


# Diagonal Ramp

- Should only be used after all other curb ramp types have been evaluated and deemed impractical



# Diagonal Ramp – Least



# Combined Directional



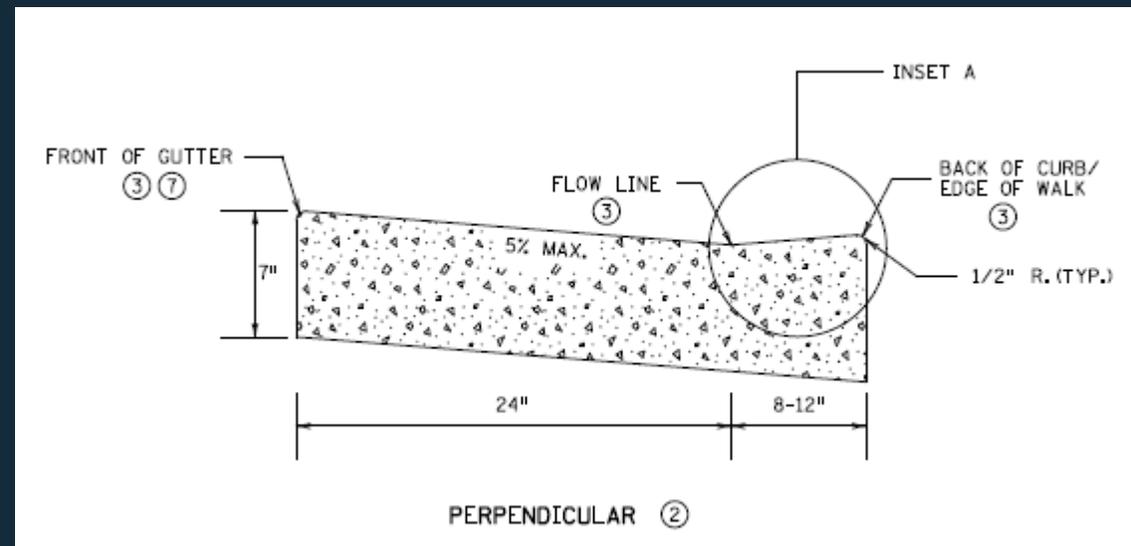
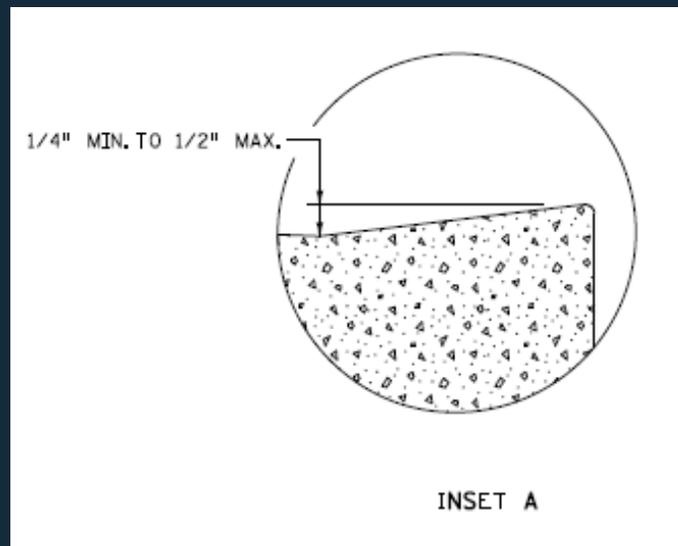
# One Way Directional

**LESS THAN 5% RAMP SLOPE,  
LANDING NOT REQUIRED**



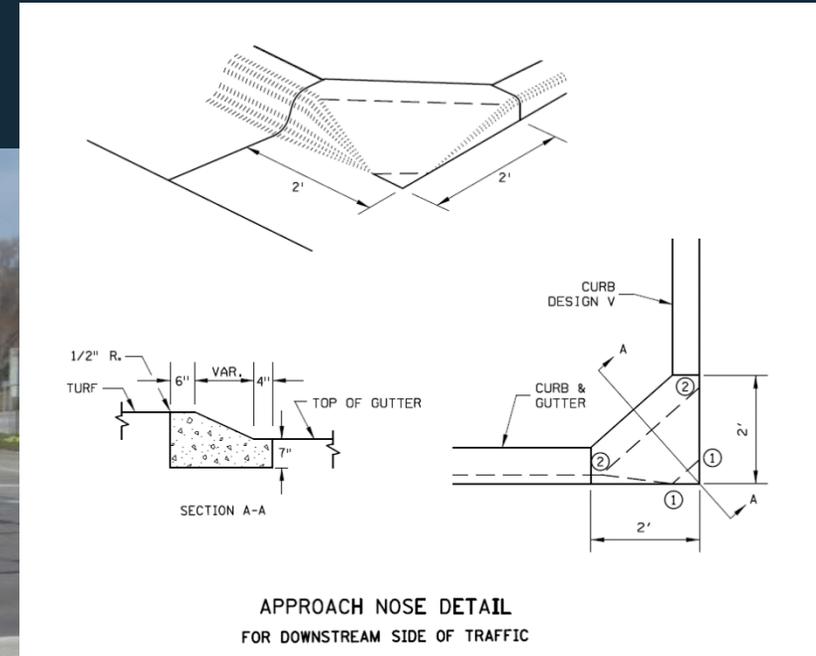
# Curb and Gutter Details

- Any vertical lip that occurs at the flow line shall not be greater than  $\frac{1}{4}$ "
- Perpendicular and parallel ramps can have a maximum 5% gutter slope because the pedestrian's path of travel is perpendicular to the gutter flow line.



# Side Treatments

- Approach nose detail for downstream side of traffic.



# Before/After





# Pedestrian Access Route Cross Slope



4.4% PAR CROSS SLOPE

# MN MUTCD Push Button Criteria



# APS Push Button Station and Location

