



# Village of Villa Park

## Permitting Division

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## Handicap Ramps/Lifts

### PERMIT APPLICATION

The Village of Villa Park requires a permit prior to beginning any construction.

To obtain a permit, the following is required:

- Completed Permit Application
- 2 complete sets of Drawings

### General Requirements

Any construction of ramps, handrails, and lifts for any public facility or multi-story housing unit must be in compliance with the accessibility code for the State of Illinois:

- Curb ramps and interior or exterior ramps to be constructed on existing sites or in existing buildings or facilities where space limitations prohibit the use of a 1:12 slope or less may have slopes and rises as follows:
  - A slope between 1:10 and 1:8 is allowed for a maximum rise of 3 in.
  - A slope between 1:12 and 1:10 is allowed for a maximum rise of 6 in.
  - A slope steeper than 1:8 is prohibited.
- Handrails shall not be required in alterations where such extensions would be hazardous due to plan configuration. The following are required in all other circumstances:
  - Handrail gripping surface with a circular cross section shall have an outside diameter of 1-1/4 in. minimum and 2 in. (51mm) maximum.
  - Clearance between handrail gripping surfaces and adjacent surfaces shall be 1-1/2 in (38 mm) minimum.
  - Handrails may be located in a recess if the recess is a maximum of 3 in. (75 mm) deep and extends at least 18 in. (455 mm) above the top of the rail
- Platform Lifts (See Section 400.410 of the Illinois Accessibility Code)

The following pages are from the 2018 Illinois Accessibility Code, effective October 23, 2018.

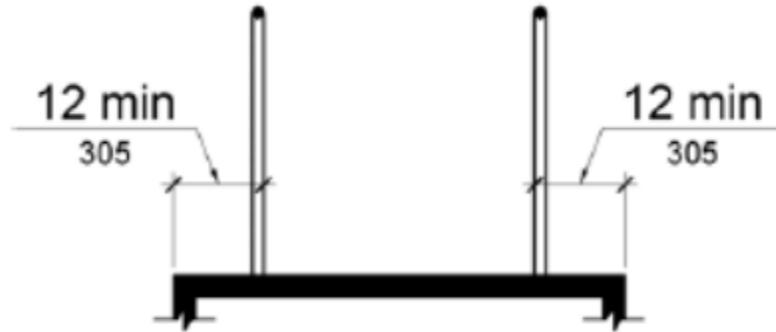
**405.9 Edge Protection.** Edge protection complying with 405.9.1 or 405.9.2 shall be provided on each side of ramp runs and a each side of ramp landings.

#### **Exceptions:**

1. Edge protection shall not be required on ramps that are not required to have handrails and have sides complying with 406.3.

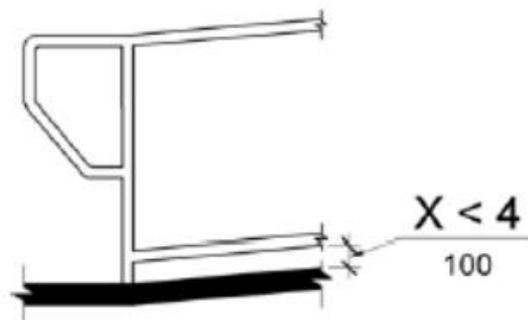
2. Edge protection shall not be required on the sides of ramp landings serving an adjoining ramp run or stairway.
3. Edge protection shall not be required on the sides of ramp landings having a vertical drop-off of 1/2inch (13mm) maximum within 10 inches (255mm) horizontally of the minimum landing area specified in 405.7.

**405.9.1 Extended Floor or Ground Surface.** The floor or ground surface of the ramp run or landing shall extend 12 inches (305mm) minimum beyond the inside face of a handrail complying with 505.



**Figure 405.9.1**  
**Extended Floor or Ground Surface Edge Protection**

**405.9.2 Curb or Barrier.** A curb or barrier shall be provided that prevents the passage of a 4 inch (100mm) diameter sphere, where any portion of the sphere is within 4 inches (100mm) of the finish floor or ground surface.



**Figure 405.9.2**  
**Curb or Barrier Edge Protection**

**405.10 Wet Conditions.** Landings subject to wet conditions shall be designed to prevent the accumulation of water.

## 406 Curb Ramps

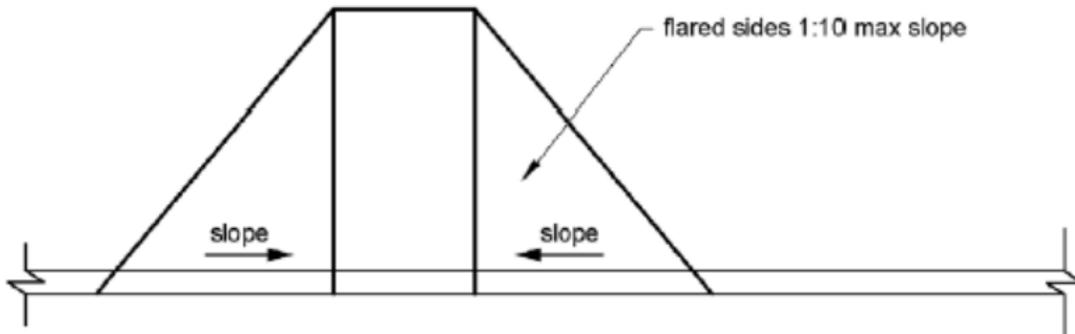
**406.1 General.** Curb ramps on accessible routes shall comply with 406, 405.2 through 405.5, and 405.10.

**406.2 Counter Slope.** Counter slopes of adjoining gutters and road surfaces immediately adjacent to the curb ramp shall not be steeper than 1:20. The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level.



**Figure 406.2**  
**Counter Slope of Surfaces Adjacent to Curb Ramps**

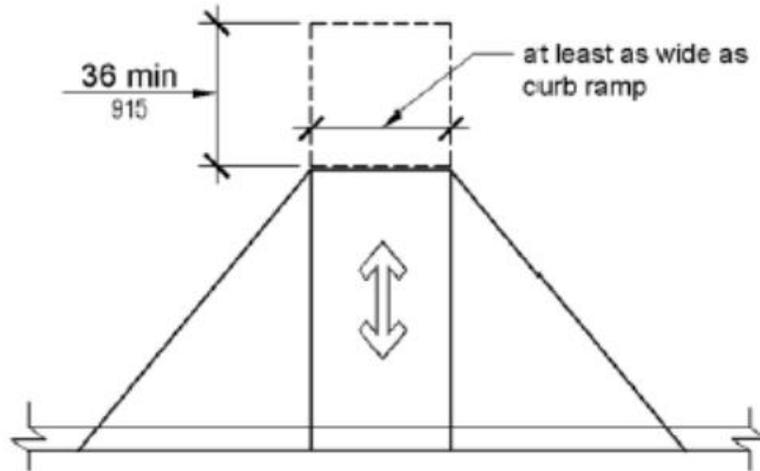
**406.3 Sides of Curb Ramps.** Where provided, curb ramp flares shall not be steeper than 1:10.



**Figure 406.3**  
**Sides of Curb Ramps**

**406.4 Landings.** Landings complying with 405.7.1 shall be provided at the tops of curb ramps. The landing clear length shall be 36 inches (915mm) minimum. The landing clear width shall be at least as wide as the curb ramp, excluding flared sides, leading to the landing.

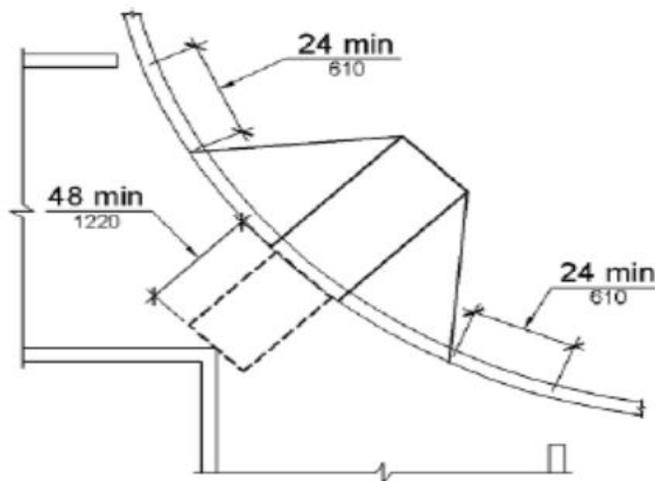
**EXCEPTON:** In alterations, where there is no landing at the top of curb ramps, curb ramp flares shall be provided and shall not be steeper than 1:12.



**Figure 406.4**  
**Landings at the Top of Curb Ramps**

**406.5 Location.** Curb ramps and the flared sides of curb ramps shall be located so that they do not project into vehicular traffic lanes, parking spaces, or parking access aisles. Curb ramps at marked crossings shall be wholly contained within the markings, excluding any flared sides.

**406.6 Diagonal Curb Ramps.** Diagonal or corner type curb ramps with returned curbs or other well defined edges shall have the edges parallel to the direction of pedestrian flow. The bottom of diagonal curb ramps shall have a clear space 48 inches (1220 mm) minimum outside active traffic lanes of the roadway. Diagonal curb ramps provided at marked crossings shall provide the 48 inches (1220mm ) minimum clear space within the markings. Diagonal curb ramps with flared sides shall have a segment of curb 24 inches (610 mm) long minimum located on each side of the curb ramp and within the marked crossing.



**Figure 406.6**  
**Diagonal or Corner Type Curb Ramps**