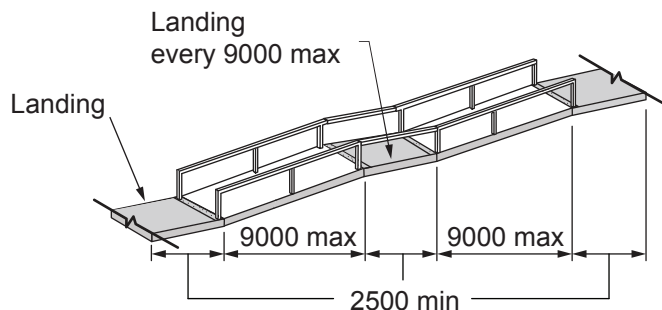
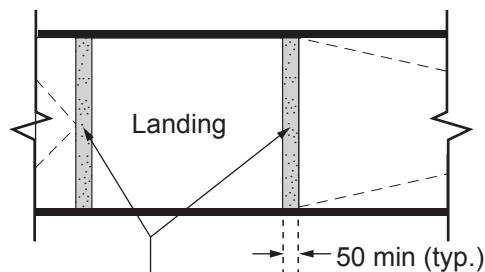


## RAMP - STRAIGHT RUN

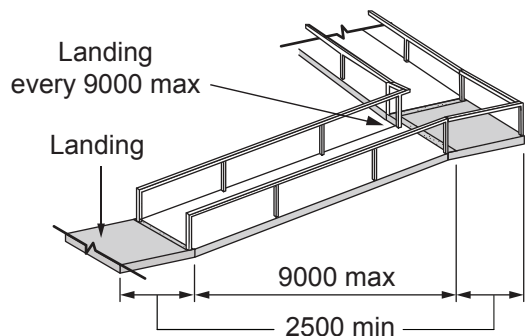


## LANDING - TOP VIEW

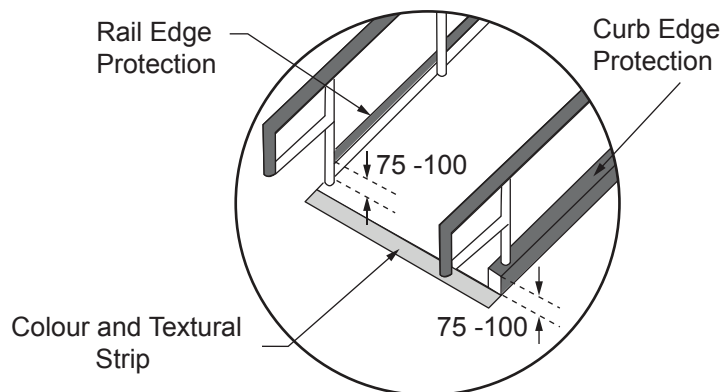


Colour and Textural Strip located at the start and end of the ramp slope, and/or at level surface

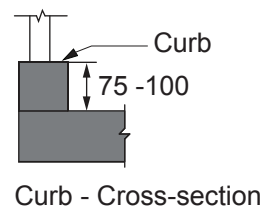
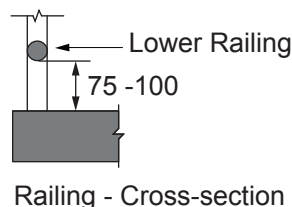
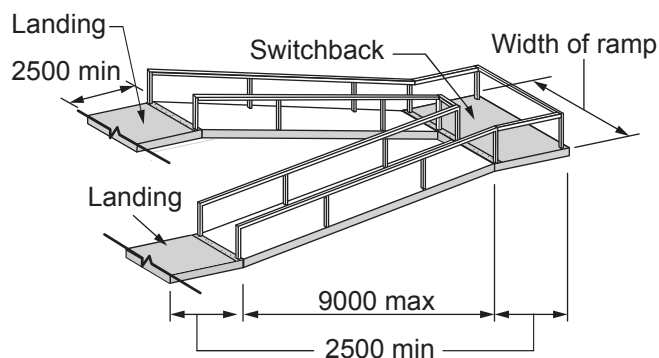
## RAMP - NON-LINEAR TURN



## ALTERNATIVES FOR RAMP EDGE PROTECTION



## RAMP - SWITCHBACK



All dimensions are in millimetres unless otherwise specified.  
Axonometric views for illustration purposes only.

- Ramp running slopes: 1:15 (6.67%) max / 1:20 (5%) default. Landings cross slopes: 1:50 (2%) max.
- Switch-back landings turning-radii: 2.35 m min.
- Bridge deck clearway width as per City of Toronto Multi-Use Trail Guidelines (MUTG); Ramps unobstructed clearway: 3.0 m min. (between handrails); Ramps/Deck overhead clearway: 2.7 m min.
- Walking surfaces must be firm and slip-resistant. Preferred surface is bare concrete.
- Lighting to comply with ANSI/IES RP-8 standards.\*
- Bridge, ramp and barrier load requirements in accordance with CSA S6 Canadian Highway Bridge Design code (CHBDC).
- Single load path structures are not permitted.
- Orthotropic steel deck, steel deck plate or slab on corrugated metal is not permitted.\*
- Climb-deterrent guardrails/railings shall be provided. Design shall comply with CHBDC with minimum height requirements for barrier "Combination (bicycle)".
- Continuously graspable handrails shall be provided on both sides of all walking areas (including stairs); are to be corrosion-proof,\* and comply with geometry and accessibility requirements per City of Toronto Accessibility Design Guidelines (TADG).
- All concrete exposed to de-icing chemicals (including those protected by waterproofing) shall use premium reinforcement.
- Stairs shall be provided unless substituted by alternative points of egress,\* and bike channels shall be provided as per MUTG. Handrails shall terminate at top and bottom landings.
- Lower ramps/stairs/landings shall be filled.\* Landscape architectural design shall integrate lower ramps/stairs/landings with the surrounding natural and built environment.
- A 5.0 m minimum clearance/easement shall be provided as per Municipal Consent Requirements: Appendix S - Third Party Work in the Vicinity of City Bridge Structures.\*

Specifications not applicable to inclined paths.  
\* Notes applicable unless otherwise approved by asset owner.