



CI-0407

TAB 4: STATION INFRASTRUCTURE
Rail Platforms and Corridors

DESIGN REQUIREMENTS

Feature	Description
Platform Edge	<ul style="list-style-type: none"> > Platform shall have 610mm detectable domed tile along the full length of the rail platform and lined up with the platform edge. > Detectable tile shall be bright yellow, composed of a truncated dome design that meets AODA and OBC requirements.
Rail Platform Curbs	<ul style="list-style-type: none"> > Rail platform curbs at track-side, including mini-platform curbs shall be sealed pre-cast concrete, or sealed cast-in-place concrete and able to accommodate detectable domed tile and snow melt capabilities on a single substrate.

MINIMUM PLATFORM WIDTHS

DESIGN REQUIREMENTS		
Conditions	Minimum Acceptable Dimension	Criteria
All new rail platform construction.	2.4m (8'-0") (inclusive of the 0.61m distance from the platform detectable tile to the edge of the rail platform curb)	Preferred clearance width for passenger circulation, waiting and maintenance equipment zone from edge of platform to platform structures
Where 2.4m (8'-0") clearance is not achievable due to site constraints and existing conditions.	2.1m (6'-10 ¾") (inclusive of the 0.61m distance from the platform detectable tile to the edge of the rail platform curb)	Minimum allowable clearance width for passenger circulation, waiting and maintenance equipment zone from edge of platform to platform structures
Permitted for passenger circulation only areas where 2.1m (6'-10 ¾") is not achievable due	1.7m (5'-7") (inclusive of the 0.61m distance from the platform detectable tile to the edge of the rail platform	Minimum passenger circulation zone , edge of platform to platform



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<p>to site constraints.</p>	<p>curb)</p> <p>Note:</p> <p>The 1.7m (5'-7") minimum passenger circulation zone from edge of platform to platform structures was determined by OBC requirements for minimum unobstructed width for the passage of wheelchairs by the following calculation:</p> <p>Minimum unobstructed width for the passage of wheelchairs as prescribed in the OBC + distance from the platform safety line to the edge of the rail platform curb = 1.1m +0.6m = 1.7m to the edge of the rail platform curb.</p>	<p>structures clearance</p>
<p>When the minimum passenger circulation zone, edge of platform to platform structures clearance of 1.7m (5'-7") cannot be met due to existing site conditions including tapered platforms..</p> <p>Augment with yellow painted hatch markings on the platform (see attached sketch) augmented by warning signage indicate the reduced clearance.(See related signage and figure below)</p> <p>Location and orientation of signage as per site conditions. Final layout and specifications to be approved by GO Transit Signage Services and GO Transit Design Standards.</p>	<p>< than 1.7m (5'-7") (inclusive of the 0.61m distance from the platform detectable tile to the edge of the rail platform curb)</p>	<p>Reduced clearance width for passenger circulation and maintenance equipment zone from edge of platform to platform structures</p>