Amendment Notice: DRM Updates

This bulletin applies to and amends the following documents:

- **GO Design Requirements Manual (DRM)**
- **GO Transit Grade Crossing Design Standard (TGCDS)**

The At Grade Pedestrian Crossings content in the DRM has been re-allocated to TGCDS as Appendix C. The content in Appendix C amends the TGCDS.

The Bulletin is available for staff and external users to download via the Metrolinx public download site (http://www.gosite.ca/engineering_public/).

For support and inquires (related to TGCDS) contact Robert Netopilik: Robert.Netopilik@metrolinx.com
For support and inquires (related to DRM) contact Rob Grech: Rob.Grech@metrolinx.com

Madeline Thompson
Director, Facilities Architecture and Engineering
Engineering and Asset Management Division

10 Appendix C

10.1 At Grade Pedestrian Crossings

10.1.1. Important: Where at grade rail pedestrian crossing is required, in addition to adhering to Transport Canada regulations, approval shall be obtained from Metrolinx Safety, Rail Services, Station Services and Track Engineering, Signals and Communication Engineering team.

10.1.2 The At Grade Pedestrian Crossings requirements in Table 1 below applies to Metrolinx owned grade crossings only. For public grade crossings, please refer to GO Transit Grade Crossing Design Standard and GO Transit Track Standards. Any track and trackwork (installation crossing) need approval from Metrolinx Tracks / Signals Engineering team.

Table 1: At Grade Pedestrian Crossings

Element	Design Requirement
Crossing Width	• The total crossing width including the 255 mm tapered shoulder of the crossing shall be a minimum of 3050 mm • The total crossing surface width, level from shoulder to shoulder, shall be a minimum of 2540 mm • The travelled or usable crossing surface width, which represents the minimum clearance distance for two wheelchairs to pass between the pavement marking lines, shall be no less than 1830 mm • The width of the approaching walkway, where there is one, shall be designed so that the crossing width shall extend a minimum of 500 mm beyond the shoulder of the approaching walkway
Crossing Location	Where a train will not occupy the crossing during a regular Station stop the inside edge of the crossing shall be located no less than: 15.30 meters from the front of the facing cab-car or locomotive. • Fencing and anti-trespass mats shall be installed to prevent pedestrians from crossing the tracks between a locomotive/cab-car and a designated level crossing
Guide Rails	Guide rails are required for gate application only for the purposes of: • Providing a means to close-off the counterweights and mechanism, thereby providing a protective barrier for pedestrians • Guiding pedestrians and closing off access to the corridor when the gates are down, i.e., the gate arm shall "slot" into the guide rails
Z-Barrier (Maze Barrier) (non-accessibility standard)	Consider specific application depending on approach, e.g., not envisaged on platforms but may have a use on the parking side of the tracks where there is a large/lengthy approach and e.g. poor sightlines. The application would be used to slow down and control pedestrians so as to focus direction (sightlines) and attention to the crossing, or to force cyclists to dismount e.g.

	when using steps on approach. Crossing warning system design shall follow Transport Canada Grade Crossing Standard and GO Transit Grade Crossing Design Standard. Requirements for Tactile Attention Indicator (TAI) at sidewalk at-grade crossing shall be as per Appendix M of Transport Canada, 2009, Pedestrian Safety at Highway-Railway Grade Crossings