



**NOTES:**

- 1 Maximum 38mm diameter holes may be drilled through asphalt pavement for pins. Holes shall be drilled after barriers positioned.
- 2 When the level area between the back of the barrier and the upper edge of an excavation is less than one metre, use of this standard requires the Owner to have a signed and sealed memorandum from an Engineer for each installation used during construction according to Ontario Regulation 213/91.
- 3 Steel pins may be installed through drilled holes in concrete pavement, concrete approach slabs, or composite pavement. Maximum diameter of drilled holes are 41mm.

A This OPSD shall be read in conjunction with OPSD 911.160 and 911.170.

B System configuration meets NCHRP Report 350 TL-3.

C Welds shall be according to CSA W59.

D All dimensions are in millimetres unless otherwise shown.

<p>ONTARIO PROVINCIAL STANDARD DRAWING</p> <p><b>GUIDE RAIL SYSTEM, CONCRETE BARRIER</b></p> <p><b>TYPE M CONNECTION</b></p> <p><b>INSTALLATION – TEMPORARY RESTRAINED SYSTEM</b></p> <p><b>PINNED TO ASPHALT PAVEMENT</b></p>	<p>Nov 2021</p>	<p>Rev 1</p>	
<p><b>OPSD 911.162</b></p>			