



CI-0403

**TAB 4: STATION INFRASTRUCTURE**  
Tunnels

**DESIGN REQUIREMENTS**

FEATURE	DESCRIPTION
Height	<ul style="list-style-type: none"> <li>&gt; Heights of tunnels shall be compatible with CCTV requirements.</li> <li>&gt; The minimum tunnel height shall be 2.7 m inclusive of concrete floor topping.</li> </ul>
Width	<ul style="list-style-type: none"> <li>&gt; Tunnel width under the tracks to be 3.66 m, or as directed by GO to suit pedestrian traffic flow characteristics.</li> </ul>
Slope	<ul style="list-style-type: none"> <li>&gt; Tunnels shall have a minimum slope of 0.30% for drainage.</li> </ul>
Corners	<ul style="list-style-type: none"> <li>&gt; Tunnel corners shall be 45° angled and internal 90° corners shall have, at a minimum:               <ul style="list-style-type: none"> <li>• Convex mirror units, and</li> <li>• Concrete sealed walls to have a smooth architectural finish. Should graffiti appear and cannot be cleaned, finish to be re-applied to the entire area (no patchwork).</li> </ul> </li> <li>&gt; Angled wall corners at directional changes (300 mm x 300 mm minimum corner cuts at 45 degrees) shall be provided for sight lines to reduce probability of passenger collisions.</li> </ul>
Pedestrian Tunnels	<ul style="list-style-type: none"> <li>&gt; Pedestrian tunnels shall be cast-in-place concrete.</li> <li>&gt; The portion of tunnels under railway tracks to be pre-cast concrete units.</li> </ul>
Conduits	<ul style="list-style-type: none"> <li>&gt; Exposed conduits between luminaires to be painted gray to match concrete.</li> </ul>