



<b>Subject: Alignment Pins and Holes on Small Round Plastic Junction Boxes</b>	
<b>Date:</b> February 8, 2010	<b>Author:</b> Steve Drew
<b>Bulletin Number:</b> 2010-01 <b>Bulletin Type:</b> Requirement	<b>Effective Date:</b> February 8, 2010
<b>Audience</b>	<b>Standards Affected</b>
Ministry Managers, Electrical Services; all holders of the Electrical and Traffic Engineering Manual; all Project Managers and Traffic Engineers; all Design Consultants	Electrical Signing and Materials Standards, Standard Specifications for Highway Construction

**Background:**

Small round plastic junction box sections currently in use by the Ministry are not consistent with the Electrical Signing & Materials Standard or Standard Specifications for Highway Construction. The specifications stipulate 6 locking pins and 6 locking holes between each section while the existing junction box provides 4 locking pins and 4 locking holes. This inconsistency has not affected performance.

**Policy:**

The Electrical Signing & Materials Standard and the Standard Specifications for Highway Construction shall be modified to indicate 4 locking pins spaced evenly at 90° intervals, and 4 holes spaced evenly at 90° intervals, offset 45° from the locking pins. Pin and hole sizes remain unchanged. Drawings affected: SP635-1.2.15, MS203.1, MS203.3.

**Procedure:**

Only small round plastic junction boxes designed to the above modified specification shall be considered for use by the Ministry of Transportation and Infrastructure.

**CONTACT:**

Steve Drew, Senior Electrical Standards Technologist  
Traffic, Electrical, Highway Safety and Geometric Design Section  
Engineering Branch  
Phone: (250) 387-7688  
Email: steve.drew@gov.bc.ca