Concrete Step Barrier Design Guidance

Data Sheet Guide to Abbreviations

Introduction

These data sheets have been produced by Britpave to complement the suite of drawings for Concrete Step Barrier and its Ancillary Products. The data sheets provide design guidance and advice for use of CSB.

The Concrete Step Barrier products illustrated in the drawings and described in the specification and these data sheets conform to BS EN 1317 and/or Highways Agency particular requirements. The Design Organisation is responsible for the use of the drawings, specification and data sheets, ensuring that the principles laid out are interpreted and applied having regard to the particular conditions on a specific project.

Until implementation of the Sector Accreditation Scheme, the minimum quality standard for the Design Organisation and the CSB installer is third party certification to ISO9001 by a UKAS accredited certification body. The installer must hold a Britpave licence.

The drawings listed in the index table, and referred to on the data sheets are subject to revision. Drawing references are included to assist the user. The user should refer to the full drawing lists on CSB/000 and SSB/000 to identify all relevant drawings and ensure that they are in possession of the latest revision.

Standards referenced in these data sheets are applicable for the UK. Equivalent standards when used elsewhere should be adopted.

Abbreviations used in these Data Sheets:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AADT</td>
<td>Annual Average Daily Traffic</td>
</tr>
<tr>
<td>AIS</td>
<td>Abbreviated Injury Scale</td>
</tr>
<tr>
<td>ASI</td>
<td>Acceleration Severity Index</td>
</tr>
<tr>
<td>CSB</td>
<td>Concrete Step Barrier</td>
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<tr>
<td>DIN</td>
<td>Deutsches Institut für Normung</td>
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<tr>
<td>DSSB</td>
<td>Demountable Steel Step Barrier</td>
</tr>
<tr>
<td>Dual CSB</td>
<td>Dual Concrete Step Barrier</td>
</tr>
<tr>
<td>ECE</td>
<td>Economic Commission for Europe</td>
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<tr>
<td>ECP</td>
<td>Emergency Crossing Point</td>
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<tr>
<td>EuroSID</td>
<td>European Side Impact Dummy</td>
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<tr>
<td>FCL</td>
<td>Fixing Centre Ltd</td>
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<tr>
<td>HA</td>
<td>Highways Agency</td>
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<tr>
<td>HIC</td>
<td>Head Injury Criteria</td>
</tr>
<tr>
<td>HVCB</td>
<td>Higher Vertical Concrete Barrier</td>
</tr>
<tr>
<td>IAN</td>
<td>Interim Advice Note (Highways Agency)</td>
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<tr>
<td>ISO</td>
<td>International Organization for Standardization</td>
</tr>
<tr>
<td>LIÉER</td>
<td>Laboratoire d’essais Inrets Equipments de la Route</td>
</tr>
<tr>
<td>MCP</td>
<td>Maintenance Crossing Point and Maintenance Access</td>
</tr>
<tr>
<td>MIRA</td>
<td>Motor Industry Research Association</td>
</tr>
<tr>
<td>NCR</td>
<td>Non Conformance Report</td>
</tr>
<tr>
<td>NPSBS</td>
<td>Non Proprietary Safety Barrier Systems (Highways Agency)</td>
</tr>
<tr>
<td>OBB</td>
<td>Open Box Beam (steel)</td>
</tr>
<tr>
<td>OIV</td>
<td>Occupant Impact Velocity</td>
</tr>
<tr>
<td>PHD</td>
<td>Post-impact Head Deceleration</td>
</tr>
</tbody>
</table>
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<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>SHW</td>
<td>Specifications for Highway Works</td>
</tr>
<tr>
<td>SSB</td>
<td>Steel Step Barrier</td>
</tr>
<tr>
<td>SSD</td>
<td>Safety Stopping Distance</td>
</tr>
<tr>
<td>SCC</td>
<td>Surface Water Channel</td>
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<tr>
<td>THIV</td>
<td>Theoretical Head Impact Velocity</td>
</tr>
<tr>
<td>TWCSB</td>
<td>Trough Wide Concrete Step Barrier</td>
</tr>
<tr>
<td>VCB</td>
<td>Vertical Concrete Barrier</td>
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<tr>
<td>VCSB</td>
<td>Variable Concrete Step Barrier</td>
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<tr>
<td>VRS</td>
<td>Vehicle Restraint System</td>
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<tr>
<td>WCSB</td>
<td>Wide Concrete Step Barrier</td>
</tr>
<tr>
<td>WVCSB</td>
<td>Wide Variable Concrete Step Barrier</td>
</tr>
</tbody>
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1. BS EN 1317-2: Road Restraint Systems
   Part 2: Performance classes, impact test acceptance criteria and test methods for safety barriers
2. ISO 9613 Acoustics - Attenuation of sound during propagation outdoors