**Lifting Points**

**DW:**

**KM**

1'-1 \(\frac{1}{2}\)"

**DATE:**

**FILE:**

**HighwayGuard Barrier T-Connector Table**

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
<th>Anchor Options</th>
<th>Anchor Length</th>
<th>Embedment Depth (Min.)</th>
<th>Drill Diameter</th>
</tr>
</thead>
</table>
| 1      | Steel Barrier Section 1 T-Connection | 1" Galv. Resin Threaded Anchor | 1" | 1" | 1" 
| 2      | Steel Barrier Section 1 T-Connection | 1" Galv. Drop-in Pin | 1" | 1" | 1" 
| 3      | Steel Barrier Section 2 T-Connection | 1" Galv. Resin Anchor | 1" | 1" | 1" 
| 4      | Steel Barrier Section 2 T-Connection | 1" Galv. Chemical Threaded Anchor (with 1" Galv. Washer & Nut) | NA | 1" | 1" 
| 5      | Steel Barrier Section 3 T-Connection | 1" Galv. Resin Anchor | 1" | 1" | 1" 
| 6      | Steel Barrier Section 3 T-Connection | 1" Galv. Drop-in Pin | 1" | 1" | 1" 

**Notes:**

1. Anchors must be positioned a minimum of 3" away from the edge of an excavation for resin anchors on 1" drop-in pins.
2. Anchors may be positioned at any point along the length of the barrier.

**Standard Annothing Requirements (Asphalt)**

<table>
<thead>
<tr>
<th>Anchor Options</th>
<th>Anchor Length</th>
<th>Embedment Depth (Min.)</th>
<th>Drill Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot; Galv. Resin Threaded Anchor</td>
<td>1&quot;</td>
<td>1&quot;</td>
<td>1&quot;</td>
</tr>
<tr>
<td>1&quot; Galv. Drop-in Pin</td>
<td>1&quot;</td>
<td>1&quot;</td>
<td>1&quot;</td>
</tr>
<tr>
<td>1&quot; Galv. Resin Anchor</td>
<td>1&quot;</td>
<td>1&quot;</td>
<td>1&quot;</td>
</tr>
<tr>
<td>1&quot; Galv. Chemical Threaded Anchor (with 1&quot; Galv. Washer &amp; Nut)</td>
<td>NA</td>
<td>1&quot;</td>
<td>1&quot;</td>
</tr>
<tr>
<td>1&quot; Galv. Drop-in Pin</td>
<td>1&quot;</td>
<td>1&quot;</td>
<td>1&quot;</td>
</tr>
</tbody>
</table>

**Notes:**

1. Minimum required embedment depth for steel barriers in asphalt.
2. Anchor requirements for the length of barrier.
3. See product manual or contact Highway Care Ltd. for more information on anchoring requirements for the length of barriers.

**HighwayGuard Deflection Table**

<table>
<thead>
<tr>
<th>Description</th>
<th>Standard System</th>
<th>Maximum Deflection End of the Barrier Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>MASH TL-3 &amp; TL-4</td>
<td>64&quot;</td>
<td>21&quot;</td>
</tr>
<tr>
<td>MASH TL-1 &amp; TL-2</td>
<td>64&quot;</td>
<td>21&quot;</td>
</tr>
</tbody>
</table>

**Notes:**

- See product manual or contact Highway Care Ltd. for more information on anchoring requirements for the length of barriers.
- Anchors are to be positioned a minimum of 3" away from the edge of an excavation for resin anchors on 1" drop-in pins.

**General Notes**

1. The system shown on this drawing is proprietary barrier used as HighwayGuard and HighwayGuard LPS and has been designed and manufactured by HighwayCare. For further information, please contact HighwayCare at 888-639-4784.
2. The HighwayGuard barrier has been crash tested to MASH and has FHWA approval as a high-speed barrier. It is designed for use in specific applications where it is required to identify the type and location of the barrier.
3. This drawing package provides the necessary information and general graphics required to identify the type and location of various HighwayGuard and HighwayGuard LPS barriers and their incorporation into the design. For further information, please contact HighwayCare.
4. Installation of HighwayGuard or HighwayGuard LPS barriers, normally requires the use of standard and/or angle t-connectors. These components are not detailed within these drawings. Please contact HighwayCare for further information.
5. The full height of HighwayGuard barrier is 20ft. Barrier sections can be joined using various t-connectors and standard anchors, which allows the HighwayGuard barrier to follow the desired curvature in the roadway. For further information, please contact HighwayCare.
6. Using HighwayGuard barriers or HighwayGuard LPS barriers requires the use of specific anchoring requirements. Additional anchoring details are outlined in the product manual or by contacting HighwayCare.
7. The HighwayGuard barrier sections can be equipped with optional features that allow for alignment and deflection. If alignment or deflection is required, the manufacturer recommends using concrete or steel components. Please contact HighwayCare for further information.
8. Anchors are to be positioned a minimum of 3" away from the edge of an excavation for resin anchors on 1" drop-in pins. Contact HighwayCare for further information.
9. All components are fully galvanized. For any installations outside of the scope of these drawings, please contact HighwayCare for manufacturer's detailed drawings, procedures, and specifications.
10. highwayGuard and HighwayGuard LPS have been designed and manufactured by HighwayCare. For more information, please contact HighwayCare at 888-639-4784. The system shown on this drawing is proprietary barrier used as HighwayGuard and HighwayGuard LPS and has been designed and manufactured by HighwayCare. For further information, please contact HighwayCare at 888-639-4784.