BOLTED-DOWN, H-PILE, STEEL TEMPORARY BARRIER SYSTEM

SWM09

Sheet No. Date:
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INTENDED USE
The Bolted-Down, H-Pile, Steel Temporary Barrier System was tested with an observed maximum
dynamic deflection of 13 3/8” [314] and a working width of 28 1/2”[725] while using a clear
gap of 13” [330] between the back side of the barrier and the edge of deck or concrete surface.
However, researchers later determined that the barrier system can be installed with a minimum
clear gap of 6” [150]. This system is TL-3 NCHRP 350 accepted.

COMPONENTS
Unit Length = 240” [6096]

<table>
<thead>
<tr>
<th>DESIGNATOR</th>
<th>COMPONENT</th>
<th>SYSTEM</th>
<th>NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>Top H-Pile section</td>
<td>–</td>
<td>1</td>
</tr>
<tr>
<td>b</td>
<td>Bottom H-Pile section</td>
<td>–</td>
<td>1</td>
</tr>
<tr>
<td>c</td>
<td>Connection plate</td>
<td>–</td>
<td>2</td>
</tr>
<tr>
<td>d</td>
<td>Tie-down angle</td>
<td>–</td>
<td>6</td>
</tr>
<tr>
<td>e</td>
<td>Connection pin</td>
<td>–</td>
<td>1</td>
</tr>
<tr>
<td>f</td>
<td>Plate washer</td>
<td>–</td>
<td>4</td>
</tr>
<tr>
<td>–</td>
<td>Red head anchors</td>
<td>–</td>
<td>4</td>
</tr>
</tbody>
</table>

ACCEPTANCE

REFERENCES
Polivka, K.A., Bielenberg, R.W., Faller, R.K., Sicking, D.L., Rohde, J.R., Reid, J.D., and Holloway, J.C.,
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Final Report to the Midwest State’s Regional Pooled Fund Program, Transportation Research Report
No. TRP-03–120–03, Project No. SPR–3(017)–Year 11, Project Code: RPF–01–01, Midwest

Down Systems for Temporary Barriers, Paper No. 03–3146, Transportation Research Record No.

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