Guardian 5 (G5) is a median and longitudinal barrier designed to safely capture and redirect a fully loaded 80,000-lb. vehicle. It is intended for use on roadways with high truck traffic, where drainage is a concern and as bridge pier protection. G5 is a cost-effective alternative to concrete barriers and meets all MASH TL-5 standards.
A softer, safer alternative to concrete

**G5 FEATURES**
- Meets MASH TL-5 standards
- Used for roadside or median applications
- Bi-directional median or longitudinal barrier
- Galvanized, high strength steel construction
- Direct driven in standard AASHTO strong soils
- Maximum dynamic deflection of 4½”
- Working width of 55”
- Easy to install with standard equipment
- Integrated anchorage system within the length of barrier
- Open-bottom design allows for drainage and easy snow removal
- Common rail profiles are quickly replaceable after impact
- Transitions to standard AASHTO W-Beam or Thrie-Beam

**SIMULATIONS FOR SPECIFIC ROADWAY APPLICATIONS**
- Reduced post spacing
- Higher impact speeds
- Use with curbing
- Use with glare screening
- Direct transition to Ontario shape concrete median barrier
- Analysis of impact envelop; tractor vs. trailer

![Diagram of G5 barrier system]

<table>
<thead>
<tr>
<th>Test Level</th>
<th>Vehicle Type</th>
<th>Mass</th>
<th>Speed</th>
<th>Angle</th>
<th>Impact Energy</th>
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<tbody>
<tr>
<td>Test 5-10</td>
<td>Small Car</td>
<td>1,100</td>
<td>100</td>
<td>62</td>
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<td>Pickup Truck</td>
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<td>Tractor Truck</td>
<td>36,000</td>
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