## Work Zone Barrier - Plastic Water Filled

### MB 350 Barrier System (B34F, B34G, B34H)
(formerly called the Roadguard)  
OTW Safety  

**Section Dimensions:**  
- Height: 3' - 6"  
- Width: 2' (base), 20" (top)  
- Length: 6'  
- Liquid: 150 gals. of liquid.  
- Weight: 80 lbs. (empty)  
- Weight: 1525 lbs. (full and with kit)  
- Color: Orange  
**Section Connections:**  
- Connected with bars welded to the inside of the pipes on one end and slotted on the other end for a bolted connection.

**Foundation Type:**  
Concrete  
Unanchored installation.

**Dynamic Deflection (TL-3):** 11.2'; Test Length: 198.5'

### Triton Barrier (B21, B48, B179)

Trinity Highways, Inc  

**Section Dimensions:**  
- Height (TL-1/2): 2'-8"  
- Height (TL-3): 3'-3"  
- Width: 1'-9"  
- Length: 6' 6"  
- Liquid: 145 gal. water ballast  
- Weight (TL-1): 99 lbs. (empty)  
- Weight (TL-2/3): 140 lbs. (empty)  
- Weight (TL-1): 1312 lbs. (full)  
- Weight (TL-2/3): 1350 lbs. (full)  
- Color: White and orange  
**Section Connections:**  
- Section interlocks together and pinned.

**Foundation Type:**  
Concrete or asphalt  
Unanchored installation.

**Dynamic Deflection (TL-1):** 8.9 ft; Test Length: 100 ft.  
**Dynamic Deflection (TL-2):** 12.8 ft.; Test Length: 325 ft.  
**Dynamic Deflection (TL-3):** 22.6'; Test Length: 195 ft.

**Segments are made of a lightweight polyethylene plastic shells designed to accept water ballast.**  
The plastic barrier shell is supplemented by internal steel framework with a cable along the top connecting the joints between barrier segments. The cable provides the barrier's tensile capacity during impacts.

**Certified as its own end treatment.**

**Triton TL-1 modules do not have an internal steel framework.**

**Triton TL-2 modules were tested with lights and a plastic mesh mounted atop of the barrier.**

**Triton TL-3 modules are set on two 7" high plastic pedestals to raise its center of gravity.**

Pedestals are strapped to each individual unit and are also tethered together with a braided polyester cord.

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This image is representative of the TL2 system. TL2 system was the only system successfully crash tested with lights. Contact Manufacturer for these specific specifications.
## Work Zone Barrier - Plastic Water Filled

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<th>NAME/ MANUFACTURER</th>
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<th>TEST LEVEL</th>
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</table>
| Yodock Barrier Model 2001M (B97, B97A) | ![Photo of TL-3 System](http://www.yodock.com/products/2001m/) | TL-2, TL-3 | Section Dimensions:  
- Height (TL-2): 2'‐8"  
- Width (TL-2): 1'‐6"(base), 8"(Top)  
- Length (TL-2): 6'  
- Liquid (TL-2): 80 gal. water ballast  
- Weight (TL-2): 75 lbs. (empty)  
- Weight (TL-2): 750 lbs. (full)  
- Height (TL-3): 3'‐10"  
- Width (TL-3): 2' (base), 11" (Top)  
- Length (TL-3): 6'  
- Liquid (TL-3): 170 gal. water ballast  
- Weight (TL-3): 130 lbs. (empty)  
- Weight (TL-3): 1530 lbs. (full)  
- Color: Ivory and orange  
Section Connections:  
- Connected with polyethylene couplers and rail kit connections.  
| Foundation Type:  
- Concrete  
Unanchored installation.  
Yodock Barrier is a made of a high-density polyethylene water-filled barriers with steel tubing side rails. |
| Rhino Barrier (B101) | ![Rhino Barrier Image](http://www.rhinobarriers.com/productRange.asp?itemID=7) | TL-2 | Section Dimensions:  
- Height: 2'‐11"  
- Width: 2'‐3"(base)  
- Length: 6'‐7"  
- Liquid: 111 gal. water  
- Weight: 216 lbs. (empty)  
- Weight: 925 lbs. (full)  
- Color: White and orange  
Section Connections:  
- Connected with polyethylene pins.  
| Foundation Type:  
- Concrete  
Unanchored installation.  
Rhino barrier is a polyethylene water-filled shell, reinforced with front and backside deflector strips and connected with steel-reinforced polyethylene pins and a galvanized steel "bridging strips". |

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Yodock Barriers, Inc  
http://www.yodock.com/products/2001m/  

Rhino Safety Barriers, LLC  

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[/trinityhighways.com](http://www.trinityhighways.com)  
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<tr>
<td>TrafFix Water-Wall (B130)</td>
<td><img src="image1" alt="Photo of TL-3 System" /></td>
<td>TL-1</td>
<td>Section Dimensions:</td>
<td>Foundation Type:</td>
<td>TrafFix Water-wall is a freestanding series of units made from medium-density polyethylene filled with water. These units are pinned together with 1.25-inch diameter steel rod inserted through lugs formed into the ends of each segment.</td>
</tr>
<tr>
<td>TrafFix Devices, Inc.</td>
<td><img src="image1" alt="Photo of TL-3 System" /></td>
<td>TL-1</td>
<td>Height: 2' 8&quot; Width: 18&quot; Length: 5' 11&quot; Liquid: 120 gal. water Weight: 77 lbs. (empty) Weight: 1100 lbs. (full) Color: White and orange/red</td>
<td>Concrete Unanchored installation.</td>
<td></td>
</tr>
<tr>
<td></td>
<td><img src="image1" alt="Photo of TL-3 System" /></td>
<td>TL-1</td>
<td>Section Connections: Connected with steel rod.</td>
<td>Dynamic Deflection: 15.5 ft.; Test Length:124 ft.</td>
<td></td>
</tr>
<tr>
<td></td>
<td><img src="image1" alt="Photo of TL-3 System" /></td>
<td>TL-1</td>
<td>Section Dimensions:</td>
<td>Foundation Type:</td>
<td>The shell of each section is made up of high density polyethylene (HDPE). Sentry Water-Cable barrier has 11 connecting lugs, 5 on one end, and 6 on the opposite end. The four upper lugs on each barrier section contain one each independent corrosion resistant steel wire rope molded into the barrier. The wire ropes act similarly to a cable barrier when impacted.</td>
</tr>
<tr>
<td>Sentry Water-Cable Barrier (B196)</td>
<td><img src="image1" alt="Photo of TL-3 System" /></td>
<td>TL-1, TL-2, TL-3</td>
<td>Section Dimensions:</td>
<td>Foundation Type:</td>
<td></td>
</tr>
<tr>
<td>TrafFix Devices, Inc.</td>
<td><img src="image1" alt="Photo of TL-3 System" /></td>
<td>TL-1, TL-2, TL-3</td>
<td>Height: 3' 10&quot; Length: 7&quot; Liquid: 220 gal. water Weight: 165 lbs. (empty) Weight: 2150 lbs. (full) Color: White or orange Section Connections: Connected with T-pin and a T-pin clip.</td>
<td>Concrete or compacted dirt.</td>
<td></td>
</tr>
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<td><img src="image1" alt="Photo of TL-3 System" /></td>
<td>TL-1, TL-2, TL-3</td>
<td>Section Dimensions:</td>
<td>Dynamic Deflection (TL-2): 5.9 ft.; Test Length:158 ft.</td>
<td></td>
</tr>
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<td><img src="image1" alt="Photo of TL-3 System" /></td>
<td>TL-1, TL-2, TL-3</td>
<td>Section Dimensions:</td>
<td>Dynamic Deflection (TL-3): 9 ft.; Test Length:158 ft.</td>
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<td>ArmorZone (B223)</td>
<td><img src="image1.png" alt="ArmorZone B223 Illustration" /></td>
<td>TL-2</td>
<td>Section Dimensions: Height: 2'10&quot; Width: 18&quot; Length: 6'7&quot; Liquid: 116 gals. of water. Weight: 128 lbs. (empty)</td>
<td>Foundation Type: Concrete Unanchored installation. Dynamic Deflection (TL-2): 13.5'; Test Length: 164'</td>
<td>Each ArmorZone™ unit is made from High Density Polyethylene (HDPE) modules filled with water. Each unit is fitted with a internal steel bar that runs approximately 5&quot; from the top of barrier and has 2 holes at either end which line up with the connection holes of each unit.</td>
</tr>
<tr>
<td>ArmorZone End Treatment (CC119)</td>
<td><img src="image2.png" alt="ArmorZone End Treatment CC119 Illustration" /></td>
<td>TL-2</td>
<td>Section Dimensions: Height: 2'10&quot; Width: 18&quot; Length: 6'7&quot; Liquid: Not filled Weight: 128 lbs. (empty)</td>
<td>Foundation Type: Concrete Unanchored installation.</td>
<td>ArmorZone end treatment is similar in appearance to the barrier segments, but it is not filled with water and does not include the steel bar. It has additional holes and slots which reduce the strength of the unit to ensure crashworthiness.</td>
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