Water Filled Barriers
Industry Snapshot

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Definitions

- Water Filled – Partially or Fully Filled with Water Onsite
- Barrier – Devices Capable of Redirecting or Capturing Errant Vehicles
- Plastic – LDPE, HDPE, PP, etc.
- Deployable – Installed and Removed with Minimal Equipment
- Structural Elements – Components that Cause Redirection or Capture Errant Vehicles
- Channelizer – Visual Delineation, No Redirective Capability
How They Work

- Inertia – Transfer of Momentum
- Energy – Moving Weight with Friction
- Tension – When Continuous Members are present
Manufacturers

Manufacturers Continued

FHWA Approval Information - Longitudinal Barriers

- Longitudinal Barriers
- Work Zone Devices (Channelizers)
- Crash Cushions and Terminals

http://safety.fhwa.dot.gov/roadway_dept/road_weather/index.htm
FHWA Approval Information -
Longitudinal Barriers

- B34 Safety Barrier Systems  TL-3
- B48 Energy Absorption  TL-3
- B97 Yodock Wall Company  TL-3
- B101 Rhino Safety Barrier  TL-2
- B111 Creative Building Prod.  TL-2
- B113 Remcon Plastics  TL-2
- B125 Safety Barriers, Inc.  TL-3
- B129 Barriers, USA  TL-2
- B130 TrafFix Devices, Inc.  TL-1
Water Filled Barriers
With Structural Elements
Water Filled Barriers

Safety Barrier
Water Filled Barriers

Yodock Wall Company
Water Filled Barriers

Triton TL-3
FHWA Approval Information
Barricades and Channelizers
Category 2 Hardware

- Yodock Wall Company, WZ22, WZ106, WZ107, WZ127
- Energy Absorption Systems, WZ191
- Traffic Safety Store, WZ188
- RooGuards, WZ178
Water Filled Longitudinal Channelizers & Barricades
Water Filled Longitudinal Channelizers & Barricades
NOT Triton

Very Specific Warning

"No Barrier" Symbol

No Cables

BARRACUDA label

Energy Absorption Systems

Water Filled Longitudinal Channelizers & Barricades
Water Filled Longitudinal Channelizers & Barricades

Rhino
Terminals and Crash Cushions

Barrier Systems, Inc
Terminals and Crash Cushions

Triton CET
(Concrete End Treatment)
Waterfilled Unit Benefits

- Light Weight (50-150 lbs Empty)
  - Easily Deployed and Recovered
  - Large Number of Units on Single Truck or Trailer
  - Softer Impacts
- Cleanup
- Highly Visible
Waterfilled Unit Benefits
Waterfilled Unit Benefits
Waterfilled Unit Benefits
Waterfilled Unit Limitations

- Deflections
- Water Supply @ Site
- Nuisance Hits Can Damage
- Leakage
- Termination
Contact Information


Contact Information

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