NEW PRODUCT

ULTRA SHALLOW ANTI-TERRORIST BRIDGE BOLLARDS

CRASH TESTED TO STOP A 18 TONNE (GVW) TRUCK TRAVELLING AT 30MPH/48KPH 30°

NO PINNING TO THE BRIDGE DECK

safetyflex
ANTI-TERRORIST BOLLARDS
BARRIERS & CRASH FENCES

Key Elements in our Design

Our key elements in our design, and in our brief to our design team:

- Keep the design, aesthetically pleasing
- Have Ultra-shallow topping (of only 80mm deep) with no deck fittings
- Must stop the LARGE TRUCK (N3C vehicle, 18 tonne Gross Vehicle Weight) which replicates the size of a large London bus
- It must be a light weight system, and not over engineered
- Heritage style bollards and modern
- Must be designed to be the most cost effective bollards HVM solution

Safetyflex Barriers has been commissioned and tasked to design a new ultra-shallow anti-terrorist bollard for protecting London Bridges from Vehicle Terrorist Attacks.

Safetyflex design team has once again designed a new type of bollard. With specialised designs and use of materials with energy absorption capabilities, they created a new type of bollard that requires:

- Light weight designed bollard system for high speed install
- An ultra shallow topping of “only 80mm deep”
- No pinning to the bridge deck

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IWA TRUCKSTOPPER BRIDGE BOLLARD					
Vehicle Test Weight	Vehicle Class	Vehicle Speed kph	Vehicle Angle *	Vehicle Penetration m	Footing Depth mm
V7200	N3C	48	30	1.8	80

Designed to stop an 18 tonne vehicle [N3C] at 48kph with an attack impact at 30° vehicle angle

Safetyflex's new Truckstopper Bridge Bollard has been tested to IWA14, to stop an 18 tonne vehicle (N3C) at 48kph with an attack impact at 30°.

It has been designed with the idea of using single heritage-style bollards that will create a separate space for cyclists across the bridge and enough space for all other bridge users.

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CPNI
Centre for the Protection of National Infrastructure