



**Scheme** - Heysham to M6 Link Project  
**Contractor** - Costain

VARIOGUARD  
TEMPORARY



*M6, Jct 34, North and South, Heysham*

**VARIOGUARD**<sup>®</sup>

[www.varioguard.co.uk](http://www.varioguard.co.uk)

**SAFETY IS  
OUR BUSINESS**

Please drive carefully.

# VARIOGUARD®

VARIOGUARD® was identified as an ideal solution for such a vast project due to allowing workers to operate safely, efficiently and responsibly by ensuring they operate in an environment free from harm.

## VARIOGUARD®

### TEMPORARY SAFETY BARRIER

When used as a temporary safety barrier VARIOGUARD® is usually anchored at each end with four 500 mm long anchor pins into pre-drilled holes.



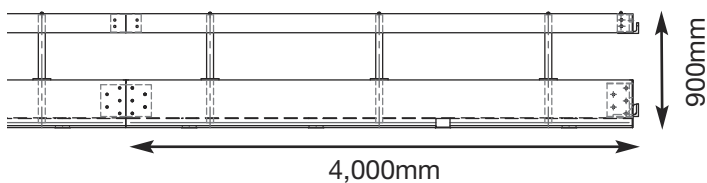
## VARIOGUARD®

### PERMANENT SAFETY BARRIER

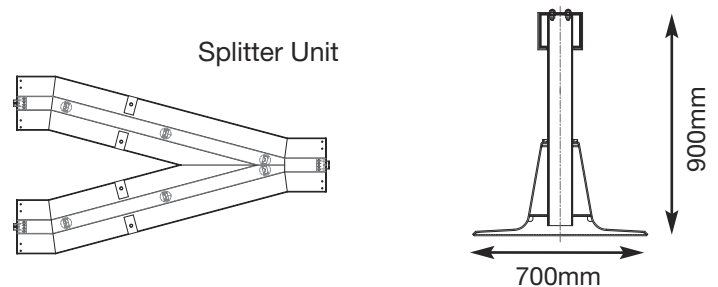
VARIOGUARD® has been installed as a permanent barrier solution at hundreds of locations including the M5 Avonmouth Bridge and the Kingston Bridge in Glasgow, as well as numerous road-over-rail locations.



VARIOGUARD® Standard Element



Splitter Unit



# My daddy works here!

**Asset's VARIOGUARD® vehicle restraint system is an important traffic management safety product adopted by Costain and regularly used on highway contracts as part of their supply chain agreement.**

Junction 34 on the M6 Lancaster is undergoing extensive alteration with two motorway slip roads on each North and South bound sections being replaced with two new wider routes as part of the Heysham to M6 link project. Part of a much bigger Lancaster re-generation plan, the old slip roads first had to be removed whilst still allowing motorway access during the construction of the new routes alongside.

VARIOGUARD® is the leading highway safety barrier system on the UK market. VARIOGUARD® is fully tested to BS EN 1317 performance levels N1, N2 and H2. Different working width classes are available, dependent on anchorage configurations.

When used as a temporary safety barrier VARIOGUARD® is usually

anchored at each end with four 500 mm long anchor pins into pre-drilled holes.

With work proceeding along both sides of the M6 motorway, VARIOGUARD® was removed and repositioned as work progressed. The hard shoulder and lane one were closed off to motorway traffic, enabling construction vehicles and site workers to move safely within the job remit.

VARIOGUARD® was identified as an ideal solution for such a vast project due to fulfilling one of Costain's key priorities; allowing workers to operate safely, efficiently and responsibly by ensuring they operate in an environment free from harm. Their values ensure everyone at Costain is committed to being safe and environmentally aware, two points that can be attributed to VARIOGUARD®. Made of galvanised steel VARIOGUARD® is durable and long lasting, this vehicle restraint system is extensively tested at different performance levels, with test lengths that reflect lengths of need.



## SOLOGUARD®

SOLOGUARD® is the only safety barrier for carriageway crossover points allowing opening and closing by two operatives within 5 minutes.

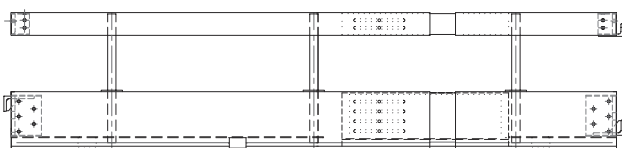


## VECU-STOP®

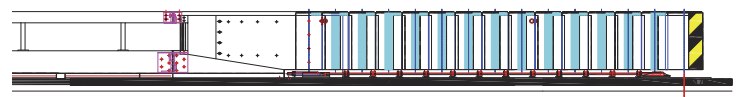
VECU-STOP® crash cushion system is based on more than forty years of experience in designing road restraint systems.



Expansion Joints



VARIOGUARD® Transition to Crash Cushion





# VARIOGUARD®


## Quality

ASSET VARIOGUARD® System Number	Containment Performance Class
ASSET VARIOGUARD® System 1	N2 : W6
ASSET VARIOGUARD® System 2	N2 : W6
ASSET VARIOGUARD® System 3	N2 : W4
ASSET VARIOGUARD® System 4	N2 : W2
ASSET VARIOGUARD® Ultra System 5	N2 : W5


Safety Barrier Gate	Containment Performance Class
ASSET SOLOGUARD® Emergency and Maintenance Crossing Point	H1 : W5

Transition Type	Containment Performance Class
ASSET VARIOGUARD® transition between ASSET VARIOGUARD® and Safety Barrier	N2 : W2


ASSET International is a division of Hill and Smith Ltd. The 'vehicle restraint systems' division of the business was established in 1998 to provide ASSET VARIOGUARD® temporary safety barriers to the highways sector. The business now provides a full installation service from strategically located depots around the UK and Ireland.



FS 82117



EMS 553683



OHS 553684



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