

# Case Study....

## Structural Protection Guaranteed

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BASEMENTS

TUNNELS

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**Project :** Keaby Lock Swing Bridge  
**Location:** Lincolnshire, United Kingdom  
**Client:** North Lincolnshire County Council  
**Image:**



### Description:

Keaby Lock Swing Bridge is an orthotropic steel structure carrying a busy industrial road to the village of Gunness.

As part of the refurbishment which included strengthening of the bridge, the steel deck was waterproofed with the PmB waterproofing system.

In addition and in order to provide long term resistance and durability to traffic, especially from heavy goods vehicles using the industrial estate, a polyurethane based antiskid coating was laid over the PmB membrane. This consisted of approx 3mm resin with 3-4mm aggregates broadcast into the wet resin, the combined thickness of the waterproofing and antiskid surface being 7-8mm.

Despite the heavy and extensive use, the combined waterproofing and surfacing system still performs well after 6 years in use.



Waterproofing



A Division of Pitchmasitc PmB Ltd



International

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