

# Belzona Reduces Downtime for Concrete Bridge Expansion Joint Repairs

ID: 525

Industry: *Transport*

Customer Location: *Department of Transportation - Texas  
USA*

Application: *FPA-Floor Problem Areas*

Application Date: *May 2005*

Substrate: *Concrete, Steel*

Products: *\* Belzona® 4111 (Magma-Quartz),  
\* Belzona® 4521 (Magma-Flex Fluid),*

## Problem

*Loose, dangerous expansion joint. Client needed a way to restore the joint edges and seal the joint while minimizing traffic disruption.*



## Photograph Descriptions

- \* Steel armor being cut off. ,
- \* Concrete edges blasted. Old rubber seal will be used as backer rod for Belzona® 4521. ,
- \* Belzona® 4111 being troweled and packed. ,
- \* Completed repair. ,

## Application Situation

Steel armored expansion joint on a busy interstate/highway bridge.

## Application Method

Application was carried out in accordance with modified versions of Belzona Know-How System Leaflets FPA-5 and FPA-6.

## Belzona Facts

The Belzona® 4111/Belzona® 4521 combination allows this type of repair to be made much faster and at a lower cost than conventional concrete repair procedure. Traffic disruption time is reduced. Past repairs using concrete involved removing old joint, jack hammer out old concrete, repour and then come back at a latter date to seal the joint. The Belzona system eliminates the return trip.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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