



SIKA AT WORK

BULLI BRIDGE,
MEMORIAL DRIVE

Products:

Sikaflex® PRO-3 Purform®

Sikaflex® PRO-3 PowerCure

BUILDING TRUST



PROJECT INFORMATION

Project Background

Traffic, congestion and queuing was increasing in Bulli. This is often due to parked vehicles along the Princes Highway between Station Street and Park Road, as well as turning vehicles at Memorial Drive, Station Street and Park Road. To ease congestion, Transport for NSW began the process of widening the south bound bridge on Memorial Drive from a single lane to a dual lane bridge.

Project Requirements

The bridge deck surface had to meet stringent requirements for exceptional durability under constant movements of vehicular traffic.

Sika Solution

Brought in by Transport for NSW on behalf of the Bridge Works Southern team, Sika was able to apply its specially designed floor joint and civil engineering polyurethane sealant.

The Sika solution was as follows:

- ▶ Sealants: Sikaflex® PRO-3 Purform® and Sikaflex® PRO-3 PowerCure
- ▶ Clean bonding surface by means of sweep and vacuum joint.
- ▶ Apply appropriate closed cell backer rod into the joint, allowing for a 1:0.8 joint ratio (width:depth).
- ▶ Apply Sika® Primer 3N to the sides of the joint.
- ▶ Apply Sikaflex® PRO-3 Purform® sealant into joint.
- ▶ Mist the caulked joint with clean fresh water and tool for smooth finish.
- ▶ Allow Sikaflex PRO-3 Purform® to cure for four days prior to being subject to trafficable conditions (abutment 1).
- ▶ Sikaflex® PRO-3 Purform® PowerCure was trafficable two hours after application (abutment 2).



LOCATION	Bulli, NSW
PROJECT SIZE	100 L/metres
DATE COMPLETED	November 2022
SIKA REPRESENTATIVE / PROJECT MANAGER	Ben Forliano
SIKA CUSTOMER / CONTRACTOR	Transport for NSW

