ACO Infrastructure - KerbDrain

Case Study

Prospect Highway Upgrade - Blacktown, NSW

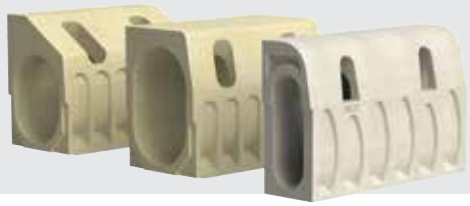
The Australian and New South Wales Governments recently completed a $280 million, 3.6 km upgrade of the Prospect Highway between Reservoir Road and St Martins Crescent. The project transformed the previously undivided two-lane road into a modern highway, featuring up to six lanes in certain sections. As a result, travel times along this corridor are expected to decrease from approximately 20 minutes to just 5 minutes.

Project Design Brief
Designers incorporated superelevated sections to accommodate changes in topography along sections of the carriageway. These conditions resulted in restricted shoulder widths and necessitated a continuous capture drainage system to ensure runoff was removed immediately from the pavement surface.

ACO's Solution
- **KerbDrain** QK200SF
- ACO's Technical Services department assisted designers with data and guidance on gully pit spacing and slot intake capacity.

Benefits
- Unlike conventional kerb and gutter systems, **KerbDrain** transforms kerbs into continuous capture inlet structures with minimal excavation.
- Access units are positioned along the drainage runs to ensure easy access for rodding maintenance.

Other ACO products used
- Grated trench drains - ACO Infrastructure



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