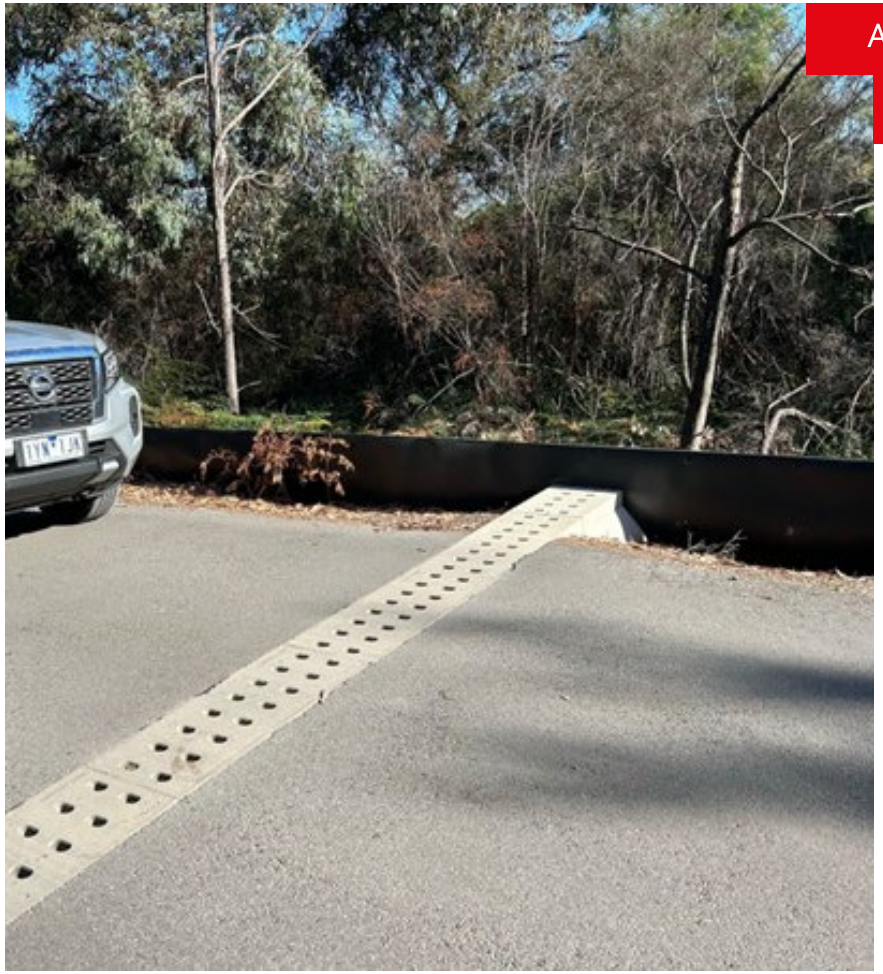

ACO Wildlife – KT500

Case Study

Royal Botanical Gardens, Cranbourne, VIC

The Royal Botanical Gardens Victoria consist of two locations, Melbourne and Cranbourne. The Melbourne Gardens were founded in 1846, while the Cranbourne Gardens were established in 1970 after land was acquired to create a garden focused on Australian flora. Cranbourne is known for its natural setting, surrounded by untouched bushland and wetlands teeming with native plants, mammals, and amphibians.

Project Design Brief

Amphibians and other small mammals at Cranbourne Gardens engage in seasonal migrations between different land habitats. To ensure their safe passage across the road infrastructure within the gardens, it was necessary to establish secure crossing corridors. Connecting habitats with safe passageways is an effective method to facilitate wildlife movement. The effectiveness of these crossings depends on several factors, including keeping tunnels as short as possible, using materials that retain moisture to protect the animals, and maintaining a temperature inside the tunnels that is as close to the outside ambient temperature as possible.

ACO's Solution

- Climate Tunnel system with slotted openings

Benefits

- The **KT500** System is constructed from polymer concrete, an impermeable material that prevents moisture absorption
- The **KT500** System features slots at ground level, allowing the internal temperature and humidity to quickly adjust to outdoor conditions
- The **KT500** System has been certified to load class D400 to EN1433

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