

# ST PETERS INTERCHANGE

THE WESTCONNEX M8 IS A PIVOTAL COMPONENT OF AUSTRALIA'S LARGEST ROAD INFRASTRUCTURE PROJECT, DESIGNED TO ALLEVIATE CONGESTION AND STREAMLINE TRAFFIC FLOW IN SOUTH-WESTERN AND SOUTHERN SYDNEY.



Ozcast was engaged to manufacture over 2000 panels as part of its works on the St Peters Interchange.

**PROJECT:** St Peters Interchange  
**LOCATION:** Kingsgrove to St Peters, New South Wales  
**PRECASTER:** Ozcast  
**CLIENT:** CPB, Dragados, Samsung Joint Venture



Ozcast had to accommodate design changes and ensure a consistent supply for its works on the St Peters Interchange in New South Wales.

As the second major underground stage of the WestConnex motorway network, the M8 extends nine kilometres from Kingsgrove to St Peters, featuring two lanes in each direction with the potential to expand to a third lane as needed. The M8 Tunnels offer a height clearance of 5.1 metres.

The M8 has twice the capacity of the M5 East Tunnel and reduces travel time by approximately 30 minutes for motorists journeying from Sydney's southwest to the southern CBD. It links to improved local roads at St Peters, featuring two new bridges over the Alexandra Canal, and connects to the M5 corridor. Designed with foresight, the M8 facilitates connections to upcoming projects such as the M4-M5 Link Tunnels (WestConnex Stage 3A), Sydney Gateway and the M6.

**ENHANCING AESTHETICS AND SAFETY**  
As part of this extensive undertaking, one of National Precast's members Ozcast was engaged to supply critical precast concrete elements, including parapets and architectural finish panels, to enhance the safety and aesthetic appeal of the motorway.

The project's complexity was heightened by the necessity to perform installations over live roads, demanding meticulous

planning and co-ordination to ensure minimal disruption to the ongoing traffic and adherence to stringent safety standards.

Ozcast's scope for the WestConnex M8 project was twofold.

Firstly, the company was responsible for the rapid production and supply of 106 precast parapets, these were required due to the design specification changing from in-situ to precast. This change was necessitated by the requirement to install the parapets over live roads, thus calling for precast elements that could be quickly and safely installed, minimising the impact on road users.

Secondly, Ozcast was engaged to manufacture over 2000 panels with an architectural finish for a retaining wall that was concurrently being designed as the installation progressed.

**"THE CHANGE TO PRECAST PARAPETS PROVED TO BE A PRUDENT DECISION, ALLOWING FOR EFFICIENT INSTALLATION OVER LIVE ROADS WITHOUT COMPROMISING SAFETY OR CAUSING SIGNIFICANT TRAFFIC DISRUPTIONS."**

This presented a logistical challenge to allow works to continue, requiring Ozcast to manufacture a steady supply of panels to keep pace with the highly skilled installers working on the project. The dynamic nature of the design process demanded flexibility and responsiveness from Ozcast to accommodate any design changes and ensure a consistent supply.

**ADAPTING TO CHANGE**

Despite the challenges, Ozcast was able to successfully meet the project's demands,

delivering the precast parapets and panels within the tight timeframes required. The change to precast parapets proved to be a prudent decision, allowing for efficient installation over live roads without compromising safety or causing significant traffic disruptions.

The architectural finish panels were supplied in sync with the installation schedule, despite ongoing design changes, contributing to the timely completion of the retaining wall.

The outcome of Ozcast's involvement in the WestConnex M8 project was a testament to the company's ability to adapt to design changes and scale up production rapidly.

The precast parapets and panels not only met the functional requirements of the motorway but also enhanced its visual appeal.

Ozcast's commitment to quality and customer service was evident in its ability to navigate the complexities of the project, ultimately contributing to the visual aesthetics of the WestConnex M8. ■

**PRECISION AND QUALITY: THE HALLMARKS OF OZCAST**

As a National Precast Precaster member, Ozcast is a leading precast concrete manufacturer based in New South Wales, specialising in a wide range of structural and architectural precast elements. Renowned for its innovative solutions and high-quality products, Ozcast supplies various sectors including infrastructure, commercial and residential projects. The company's commitment to excellence is evident in its meticulous attention to detail, adherence to strict safety standards and ability to handle complex projects with precision. With a focus on sustainable practices and advanced manufacturing techniques, Ozcast makes a significant contribution to Australia's evolving construction landscape, delivering both functional and aesthetic enhancements to numerous high-profile developments.