

Project Case Study



Kwinana Freeway Northbound Widening Project – Precast Noise Wall Package

End User	Main Roads Western Australia
Client	BMD Constructions Pty Ltd
Location	Perth, Western Australia
Market Sector	Transport



Scope of Work:

Alltype Engineering was contracted to supply and deliver circa 320 tonnes of structural steel for the precast noise wall package for Main Roads Western Australia's Kwinana Freeway Northbound Widening Project.

This project involved widening the Kwinana Freeway to provide approximately eight kilometres of additional three lane capacity from Russell Road to Roe Highway.

A noise wall is not a straight level structure, nor is every fill in panel the same. They are at varying heights and materials, being pure concrete panels and to hybrids with clear acrylic sheets at the top to allow light through but to reduce the traffic noise. As such, there are many variations in support structure design.

With over 1100 frames and a range of different types, the major challenge was to segregate the posts and acrylic support steel work to be delivered sequentially to allow easy identification and installation in sequence.

Through working closely with our supply chain business partners and client, Alltype Engineering delivered in a predetermined sequence, off loaded in order at exact location, ready for erection. This approach substantially also reduced site crange, handling and erection time for our client.

AS/NZS ISO 9001
AS/NZS 4801

BUREAU VERITAS
Certification

