



GATEWAY UPGRADE NORTH

PROJECT NAME/LOCATION

Gateway Upgrade North project,
Brisbane

OWNER/PRINCIPAL

Queensland Department of Transport &
Main Roads

MAIN CONTRACTORS

Lendlease

MATERIALS SUPPLIED

Aggregates
Crusher Dust
Roadbase Material RM001, RM003,
RM005

SPECIFICATIONS

Queensland Main Roads Spec MRTS35

ESTIMATED TOTAL TONNAGES TO BE SUPPLIED

15,000 tonnes

TONNES SAVED

3,750 tonnes

ALEX FRASER CONTACT

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PROJECT DETAILS

Overview

The Gateway Motorway North is a critical transport corridor to the northeast of Brisbane that links Brisbane Airport, Port of Brisbane and the Australia Trade Coast precinct with the wider Brisbane area and Sunshine Coast. Currently a four-lane motorway carrying more than 83,000 vehicles per day, it is already near capacity. It requires an upgrade to futureproof for projected population and trade growth and to improve safety and efficiency.

The \$1.143 billion Gateway Upgrade North project (Nudgee to Bracken Ridge) is being jointly funded by the Australian and Queensland governments. The project will widen 11.3 kilometres of the motorway from four to six lanes, in addition to a number of other improvements.

To minimise the impact on road users, construction is being done between 8pm and 3am. In order to supply major metropolitan infrastructure projects with recycled content, well located, large scale recycling facilities are essential

Alex Fraser contributions

Alex Fraser is supplying aggregates, crusher dust and roadbase materials through civil constructor Lendlease.

Lendlease's decision to award the projects to Alex Fraser was based on its ability to supply a night works program, as well as the close proximity of Alex Fraser's Nudgee site to the project which substantially reduces truck travel distances and road congestion.

The Queensland Department of Transport and Main Roads specification MRTS35 supports the use of high quality recycled products on major projects. Alex Fraser materials have previously been used to build numerous other projects around Brisbane including the CLEM7 Tunnel, Mains and Kessels Road Upgrade, Port of Brisbane, Brisbane Airport – Avis Depot and the Moreton Bay Rail Link.

Environmental and cost savings

The use of Alex Fraser materials will result in 171 less truck movements as recycled materials are lighter than virgin quarried materials. This means each truck can carry more material, with an overall cost saving for the project. It will also save 170 tonnes of CO₂ from entering the atmosphere, which is equivalent to saving electricity usage of 26 households for a year.