



MAINS AND KESSELS ROAD INTERSECTION UPGRADE

PROJECT NAME/LOCATION

Mains and Kessels Road Intersection Upgrade

OWNER/PRINCIPAL

Queensland Government

MAIN CONTRACTOR

Boulderstone

MATERIALS SUPPLIED

RM 005 Recycled Concrete
75mm Rubble

SPECIFICATIONS

Queensland Main Roads Spec MRTS35

TOTAL TONNAGES SUPPLIED

80,000 tonnes

TONNES SAVED

15,200 tonnes

ALEX FRASER CONTACT

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PROJECT DETAILS

Overview

Kessels Road is part of the Brisbane Urban Corridor, an 11.5 kilometre corridor between the Gateway Motorway and the Ipswich Motorway in Brisbane. The intersection was identified as a traffic bottleneck and this redevelopment included a Kessels Road underpass beneath Mains Road, with two lanes each way.

Alex Fraser contributions

Alex Fraser supplied local contractors Boulderstone with 80,000 tonnes of RM005 roadbase and 75mm rubble for crane footings. The material was supplied in accordance with MRTS 35.

Boulderstone Site Manager James Blackmore was very happy with the characteristics of the materials Alex Fraser provided. He commented: "This was the first time we have used a recycled product since it was approved by Main Roads. We were originally going to rely on the integrity of the sub grade in situ, however, the RM005 has been so successful that we will be using it in all areas of the project."

The constraints working on an active freeway meant that communication between Alex Fraser and Boulderstone staff onsite was critical. The materials were delivered safely and daily tonnage requirements were exceeded, reducing construction time.

Boulderstone has had firsthand experience with the density benefits that Alex Fraser materials offer when compared to traditional quarried material. James explains: "The fact that it is recycled material offers environmental benefits, plus we don't need to cart in as many truck loads due to the density, so we couldn't be happier."

Cost and carbon savings

Choosing Alex Fraser recycled materials resulted in approximately 630 tonnes of carbon savings and 510 reduced truck movements