



DINGLEY ARTERIAL

PROJECT NAME/LOCATION

Dingley Arterial, southeast Melbourne, Victoria

OWNER/PRINCIPAL

VicRoads

MAIN CONTRACTOR

Fulton Hogan

MATERIALS SUPPLIED

Class 4 Crushed Concrete
Class 3 CT Crushed Concrete
Class 3 Concrete Wetmix
Recycled Sand

SPECIFICATIONS

VicRoads section 820
VicRoads section 821

TOTAL TONNAGES SUPPLIED

Over 110,000 tonnes

TONNES SAVED

Approximately 10,000 tonnes

ALEX FRASER CONTACT

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PROJECT DETAILS

Overview

The Dingley Arterial is a partially completed \$74.6-million six-lane arterial road in Melbourne's South Eastern Metropolitan suburbs. The new road is a crucial link in an 11-kilometre arterial aimed at alleviating traffic congestion at a number of major bottlenecks.

Alex Fraser contributions

Throughout 2012, Alex Fraser supplied 110,000 tonnes of Recycled Crushed Concrete to main civil contractor Fulton Hogan.

Alex Fraser's facility at Kingston Road, Clarinda, made a perfect supply location for Fulton Hogan. Between January 2012 and December 2012 the Clarinda plant supplied Class 4 Recycled Crushed Concrete sub base material, and Class 3 Cement Treated Crushed Concrete as a base layer material. 5mm Recycled Sand was used for the construction of approximately 8,000 lineal metres of subsurface drainage, alongside 20mm and 14/10mm aggregates.

Aidan Thompson, Fulton Hogan's project manager, had used Alex Fraser's Recycled Crushed Concrete road base and aggregates for many years, and appreciated the amount of work that had gone into achieving VicRoads specification for these products. According to Aidan, Alex Fraser "proved to be a perfect fit for us on this project."

On construction projects, a quicker turnaround translates into cost savings "The location of Alex Fraser's Clarinda site made truck turnaround times faster. We also chose Alex Fraser because they assured us they could supply the relatively large volumes at a competitive price," Aidan added.

Aidan also commends Alex Fraser's communication skills: "Despite significant inclement weather experienced throughout 2011 the project was delivered two months early, thanks to a number of contributing factors. One of which was working with a dedicated contact at Alex Fraser who understood our requirements on a day-to-day basis."

Cost and carbon savings

Choosing Alex Fraser recycled materials resulted in a saving of 10,000 tonnes of material, or 340 less truck loads, and a carbon saving of approximately 710 tonnes.