



# M80 UPGRADE

## PROJECT NAME/LOCATION

M80 Upgrade (Calder Freeway to Sydney Road/Furlong Road to Sunshine Road), Melbourne, Victoria

## OWNER/PRINCIPAL

Tulla Sydney Alliance (partnership between VicRoads, Thiess, Parsons Brinkerhoff and Hyder)

## MAIN CONTRACTOR

BMD Constructions/Tulla Sydney Alliance

## MATERIALS SUPPLIED

Class 3 CT Crushed Concrete  
Class 2 Crushed Concrete Wetmix  
Class 3 Crushed Concrete Wetmix  
Class 4 Crushed Concrete Wetmix

## SPECIFICATIONS

VicRoads section 820  
VicRoads section 821

## TOTAL TONNAGES SUPPLIED

Over 140,000 tonnes

## TONNES SAVED

Approximately 12,000 tonnes

## ALEX FRASER CONTACT

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## PROJECT DETAILS

### Overview

The M80 is one of Melbourne's busiest freeways, carrying approximately 110,000 vehicles per day. The M80 Upgrade was a \$2.25 billion project, aimed at improving 38 kilometres of the Western and Metropolitan Ring Roads. The M80 Upgrade was delivered by the Tulla Sydney Alliance, a partnership between VicRoads, Thiess, Parsons Brinkerhoff and Hyder.

### Alex Fraser contributions

Alex Fraser supplied materials for two sections of the M80. The first section was the 9.7 kilometres between the Calder Freeway and Sydney Road, where Class 2, 3 and 4 Recycled Concrete for road pavement base and sub base layers.

The second section was the two-kilometre eight-lane stretch between Furlong Road and Sunshine Avenue. In this section, Alex Fraser supplied Class 3 Cement Treated Crushed Concrete and Class 4 Crushed Concrete as base and sub base layers of the pavement.

Recycled Sand was used as drainage filter material.

Alex Fraser supplied a total of 143,000 tonnes of Recycled Concrete to the project. The material was supplied in accordance with VicRoads specification section 820 and 821.

The complexity of working on widening an active freeway meant that communication and delivery reliability were a critical factor in meeting timelines.

### Cost and carbon savings

Choosing Alex Fraser recycled materials resulted in a saving of 12,000 tonnes of material, or 297 less truck loads, and a carbon saving of approximately 921 tonnes.