

### Overview

#### Location

Arlington Drive,  
Willetton, WA

#### Owner

City Of Canning

#### Product

Innovo4



## City of Canning, Western Australia

The City Of Canning asked Boral to assist its community achieve a cleaner environment by taking used plastic, rubber and glass out of waste and using them in council roads. Avoiding landfill reduces hefty disposal fees paid by councils and levied on residents; while repurposing these high value materials can save energy and preserves natural resources used for new products.

### Product Performance\*

The proportions of repurposed materials in the asphalt mix are given in the table below.

#### INNOVO4

Asphalt component	%w/w Asphalt Mix
Bitumen	5
PET Plastic	0.5
Crumb rubber	1
RAP	10
Glass	5
Other components	73.5

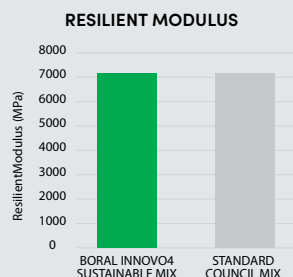
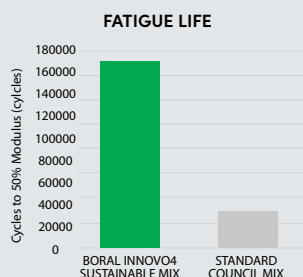
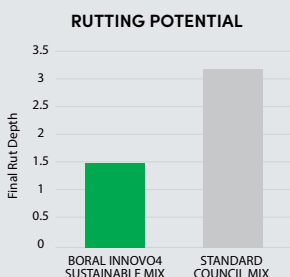
The performance benefits achieved in Boral's INNOVO4 are shown in Figures 1, 2 and 3.

### Outcomes

Preventing the following items from going to landfill or contributing to contamination of water streams that underpin our ecology:

- 58,000 plastic bottles
- 316 tyres from 79 cars
- 37,500 glass beer bottles

PET plastic was sourced directly from municipal waste collection, processed through a material recycling facility and crumb rubber was produced by shredding used vehicle tyres.



Single-use plastics are one of the biggest items going to landfill – it's astounding that 58,000 water bottles can be used in a positive way to help create a road that will last more than 30 years, and the City is very proud to be a part of that.

Mayor Ng  
City Of Canning

For more information please visit  
[www.boral.com.au/asphalt](http://www.boral.com.au/asphalt)