



Recycled Roads To Zero Waste Partnerships

In 2010, laboratory testing funded by Sustainability Victoria, and a council footpath construction trial with funding from the Packaging Stewardship Forum of the Australian Food and Grocery Council, concluded that crushed brick and crushed glass blends of up to 30 per cent were equivalent to, or exceeded, the performance of quarried rock.

Sustainability Victoria and the MAV then formed a partnership to increase councils' use of recycled content in civil construction. A Project Advisory Group was set up, additional council demonstration projects progressed, and a web-based resource developed to support councils' access to information.

Local Government Demonstration Sites

Five Victorian municipalities have participated in road and footpath demonstration projects using new construction specifications for recycled content developed by VicRoads, and Swinburne University for the MAV.

Demonstration sites include:

- Bayside City Council* – crushed glass partial sand replacement in footpath (Ludstone St, Hampton); and crushed glass in base course of road construction (Tramway Pde, Beaumaris)
- Brimbank City Council* - crushed glass and crushed rock in base course of shared pathway (Pecks Rd, Sydenham – *launched 2010*); crushed glass in base course of road construction (Quinn St, Deer Park)
- Port Phillip City Council* – crushed glass partial sand replacement in footpath (Fitzroy Street, St Kilda)
- Surf Coast Shire Council - recycled concrete road construction (The Esplanade, Torquay)
- Manningham City Council* - crushed glass and crushed rock in base course of shared pathway (Anderson Creek Road, Doncaster East - *first council demonstration site, launched in 2010*)

** Project received funding from the Packaging Stewardship Forum*

Next Steps

ARRB Group is assessing demonstration sites and, using the results, will develop implementation advice to assist road authorities to use higher percentages of recycled material in the base of pavement construction.

All Victorian councils are being asked to sign up to the MAV *Local Government Recycled Roads to Zero Waste Sustainability Challenge*. The participation pledge states that a council will commit to:

1. Use recycled material in pavement base
2. Identify works in their five-year capital works program with potential use for recycled materials
3. Ensure their procurement policy and practices support the use of recycled materials.

Project Partners

- Municipal Association of Victoria, and participating councils
- Sustainability Victoria
- VicRoads
- Alex Fraser Group
- Packaging Stewardship Forum of the Australian Food and Grocery Council
- Swinburne University, Centre for Sustainable Infrastructure
- ARRB Group (formerly the Australian Road Research Board)
- EcoBuy
- Metropolitan Waste Management Group

<http://www.zerowasteroads.org.au/>

