

## Committee on Repurposing Plastics Waste in Infrastructure

### Information Gathering Session #5

Web-meeting via Zoom

#### Agenda

July 20, 2022

5pm-7:30pm Eastern Time

#### Meeting Purpose

- Gather information on Australian research and applications for repurposing plastic waste in transportation infrastructure.

#### OPEN SESSION

- 5:00 pm      **Opening Remarks and Introductions**
- David Dzombak, *Committee Chair*
- 5:05 pm      **Major Road Projects Victoria program: Overview of initiatives and discussion of technical specifications for sound walls**
- Scott Taylor, *Director Engineering and Innovation, Major Road Projects*
  - Alexis Davison, *Director Program Services and Engineering, Major Road Projects Victoria*
  - Tony Aloisio, *Director, ecologiQ*
- 6:00 pm      **Austroads research: Use of road-grade recycled plastics for sustainable asphalt pavements**
- Ross Guppy, *Transportation Infrastructure Program Manager, Austroads*
  - Filippo Giustozzi, *Associate Professor, Royal Melbourne Institute of Technology*
- 6:50 pm      **Open discussion with panelists**
- 7:30 pm      **Adjourn Open Session**

## **Presenter Biographies**

### **Ross Guppy**



Ross has over 38 years' experience in the road and transport infrastructure sector, including 28 years with the Queensland Department of Transport and Main Roads.

Ross currently chairs five Austroads Task Forces covering asset management and the more specific technical disciplines of bridges, tunnels, pavements, and project delivery.

Ross is a Registered Professional Engineer Queensland and a Fellow of the Institute of Public Works Engineers.

Ross is a Council member of the Centre for Pavement Engineering Education and member of the Australasian BIM Advisory Board, Executive Committee and Standards Australia committee BD-104 Building Information Modelling.

### **Filippo Giustozzi**



Filippo Giustozzi is an expert in road and airport pavement materials. He completed his second Ph.D. at Virginia Tech University (USA) and is the Chair of the Technical Committee on Sustainable and Resilient Pavements at the Transportation Research Board of the National Academies of Sciences and Engineering in the USA.

He has participated in several major road and airport construction projects since 2008. Dr. Giustozzi collaborates with national and international government bodies, local governments, industry and product stewardship associations to deliver projects on a variety of topics with practical outcomes, mainly on polymer-modified bitumen and recycled materials for road applications.

At RMIT University, he is leading the Intelligent Materials for Road and Airport Pavements research group and is managing the only university-based fully-equipped asphalt and bitumen laboratory in Australia, which currently employs more than 20 researchers with backgrounds spanning from civil engineering, materials science, chemistry to environmental science.

**Scott Taylor**, Director Engineering and Innovation, Major Road Projects

*Forthcoming.*

**Alexis Davison**, Director Program Services and Engineering, Major Road Projects Victoria

*Forthcoming.*

**Tony Aloisio**, Director, ecologiQ

*Forthcoming.*