



1

2
MAIN ROADS WESTERN AUSTRALIA

Supporting the Waste Avoidance and Recovery Strategy 2030

- Roads to Reuse - crushed recycled concrete product specification trial
 - Trial was completed in 2020
 - 25,000t of Crushed Recycled Concrete (CRC) used on the Kwinana Freeway Widening and Murdoch Drive Connection
 - CRC produced from the demolition of Subiaco Oval
 - Trial was based on the RtR Product Specification: Recycled Road Base and Recycled Drainage Rock
- Crumbed Rubber in asphalt
 - Used 2,700 tonnes in 2020/21
- Crushed Glass in fill/drainage

Objective 1
Avoid
Western Australians generate less waste.

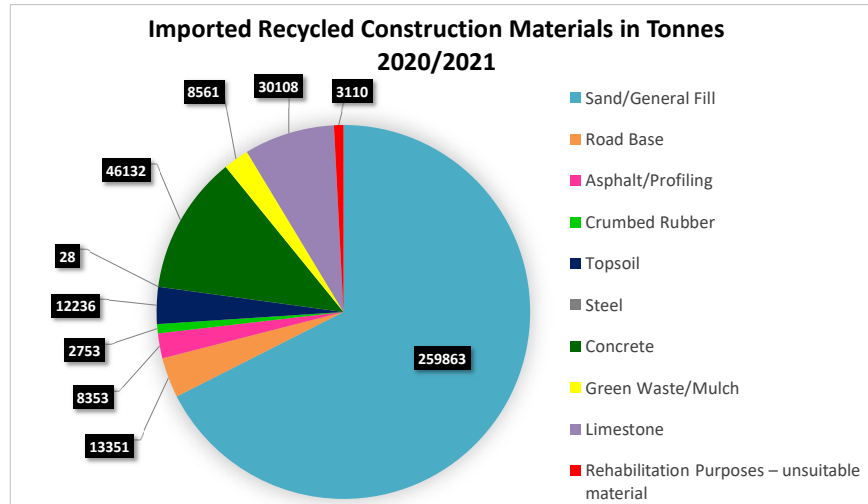
Objective 2
Recover
Western Australians recover more value and resources from waste.

Objective 3
Protect
Western Australians protect the environment by managing waste responsibly.

2

3

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3

4

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Main Roads requirements - FOGO

Uses

- Soil conditioner in topsoil
- Mulch for landscaping
- Mulch for revegetation

Considerations

- Soil stabilisation
- Weed control
- Reducing soil water evaporation
- Aesthetics

Challenges

- Contamination i.e. seeds, refuse, toxic contaminants
- Mulch size
 - Landscaping (15mm to 50mm)
 - Revegetation (15mm to 80mm)
- Mulch spread depth – 75-100mm
- Nutrients (weeds)
- Water repelling



4

5

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Opportunity moving forward?

OMTID Import Demand (m3)								Total
	Yanchep Rail Extension	Thornlie Cockburn Link	Bayswater Station	Denny Ave	Byford Rail Extension	Morley Ellenbrook Line	Level Crossing Removal	
Mulch	6,000	2,100	304	1,000	21,426	16,800	6,000	53,630
Topsoil	13,500	4,200	28	1,000	5,848	8,400	3,000	35,976

5

6



Thankyou

6