



mainroads
WESTERN AUSTRALIA

Main Roads WA South West Region

Rob Barnsley - 2019





mainroads
WESTERN AUSTRALIA

Regional Overview



- 28,585km², varying from large regional centres to small towns and communities
- 1,764km's of State Road Network
- 958 Structures (incl Main Roads, LG and others)
- Contractor for Maintenance – Fulton Hogan
- Annual Maintenance Budget of ~\$36M
- Typical annual Road Safety Budget of \$25M+



mainroads
WESTERN AUSTRALIA

Regional Map and Assets





mainroads
WESTERN AUSTRALIA

Regional Challenges



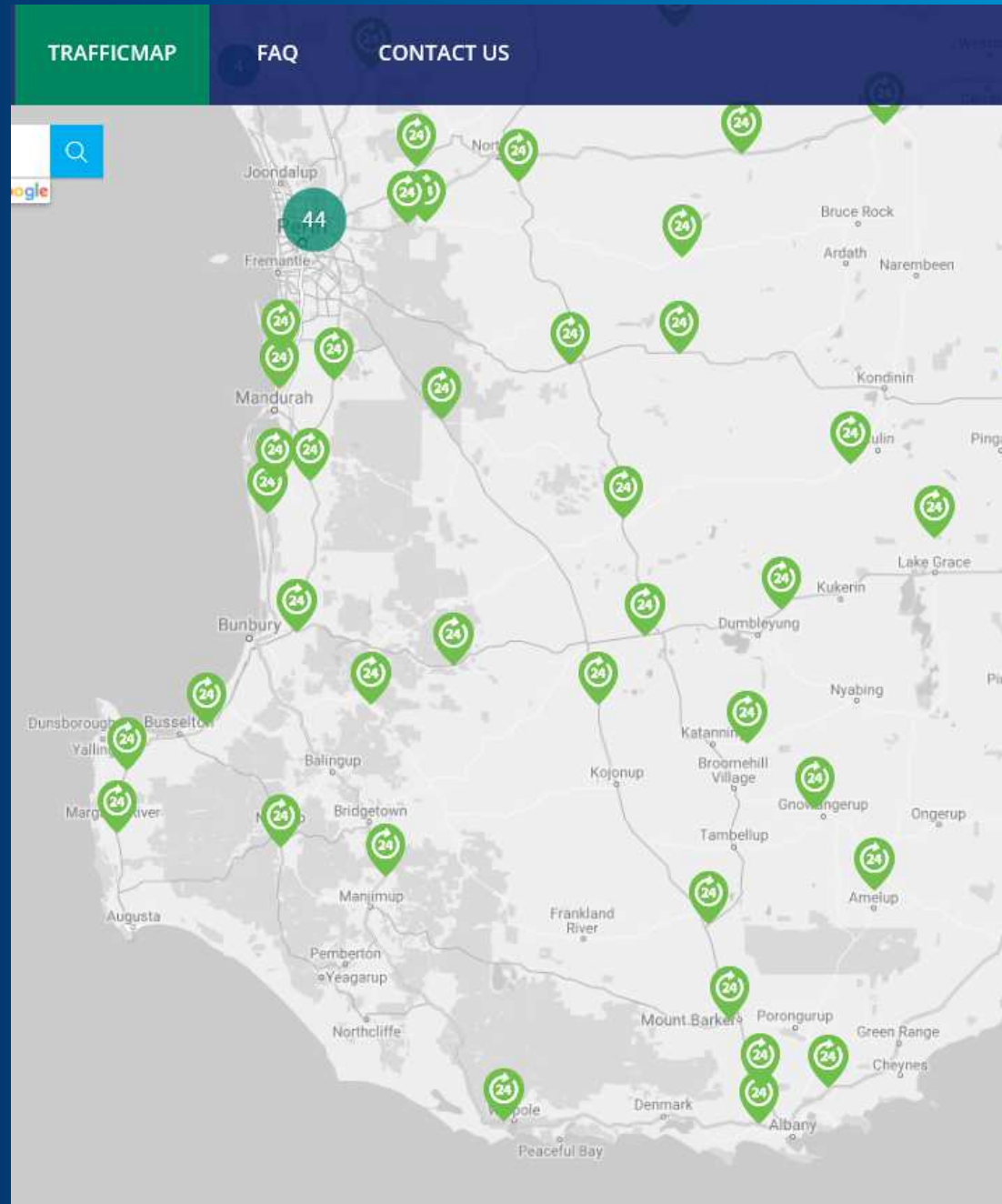
- Forrest Hwy Intersections
- BORR
- DFES – Emergency Access Ways
- Environmental Management



mainroads
WESTERN AUSTRALIA

Regional Traffic Volumes

- Permanent Count sites
- All Data available on MRWA website – Traffic Map
- <https://trafficmap.mainroads.wa.gov.au/>

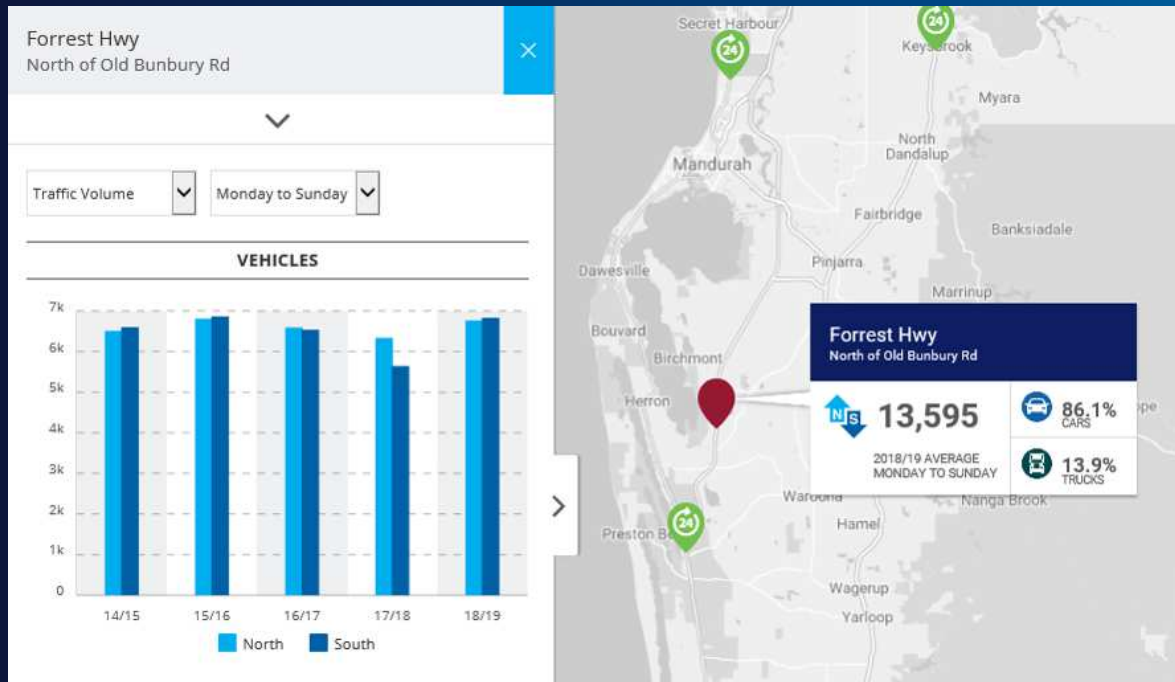




mainroads
WESTERN AUSTRALIA

Regional Traffic Volumes

Forrest Hwy North of Old Bunbury Rd



Forrest Hwy
North of Old Bunbury Rd

Traffic Volume Monday to Sunday

VEHICLES

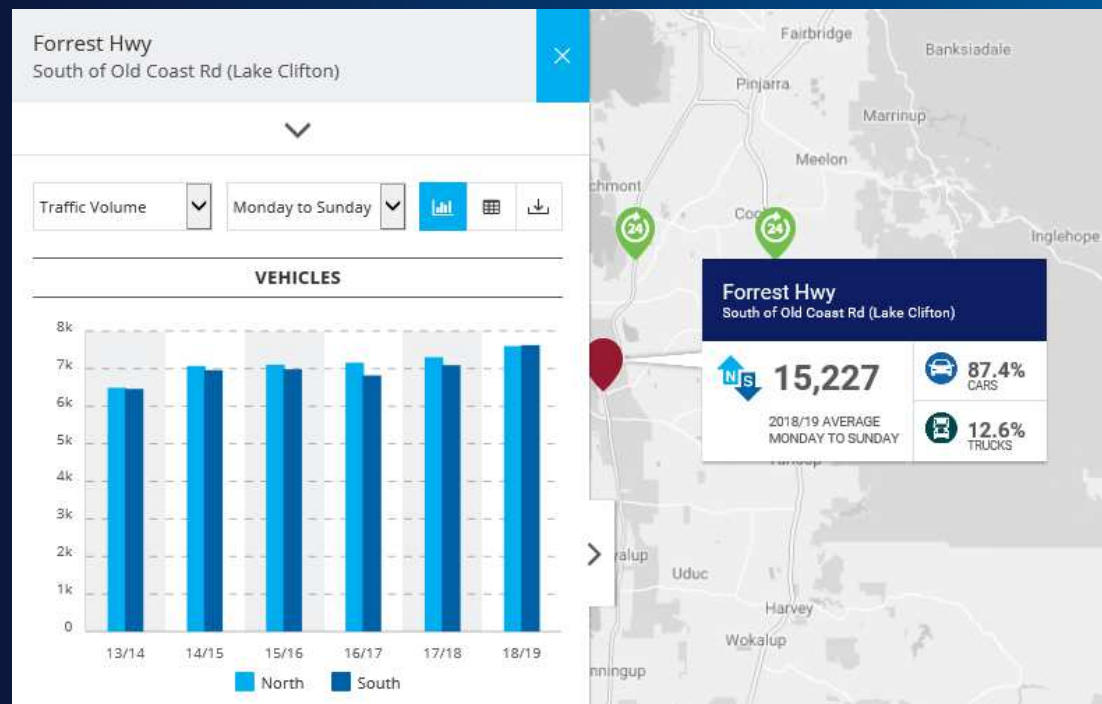
	NORTH	SOUTH	TOTAL	TRUCKS
2018/19	6,764	6,831	13,595	13.9%
2017/18	6,335	5,643	11,978	13.8%
2016/17	6,590	6,537	13,127	14%
2015/16	6,810	6,863	13,673	14%
2014/15	6,509	6,599	13,108	14.4%



mainroads
WESTERN AUSTRALIA

Regional Traffic Volumes

Forrest Hwy South of Old Coast Rd (Lake Clifton)



Forrest Hwy
South of Old Coast Rd (Lake Clifton)

Traffic Volume Monday to Sunday

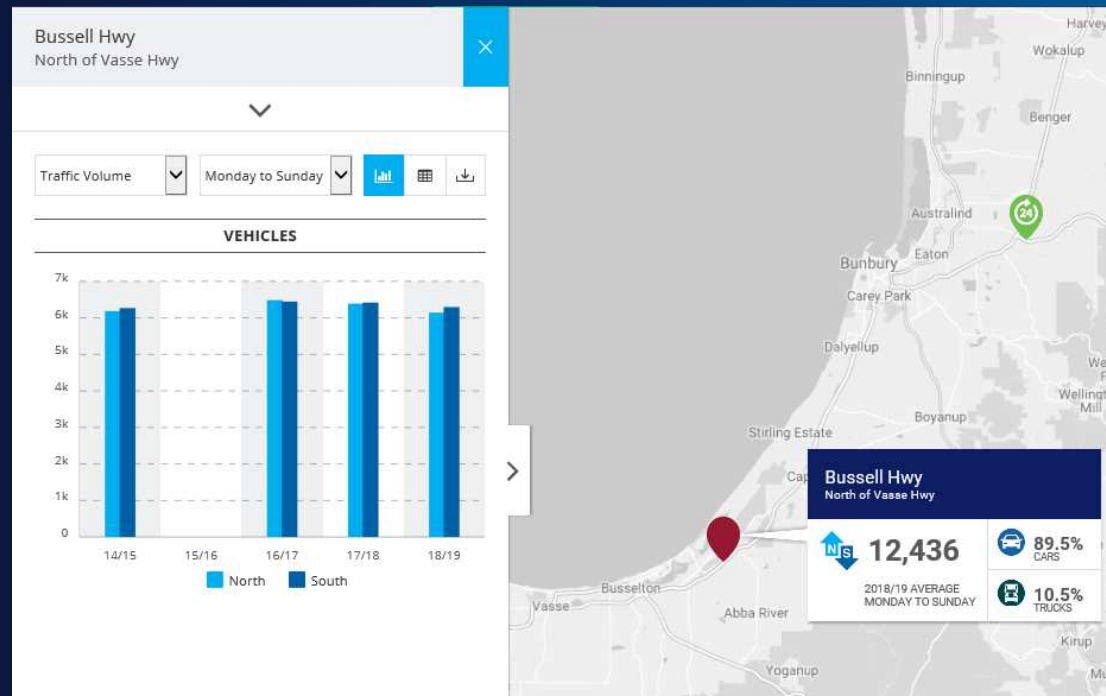
VEHICLES

	NORTH	SOUTH	TOTAL	TRUCKS
2018/19	7,601	7,626	15,227	12.6%
2017/18	7,303	7,092	14,395	12.5%
2016/17	7,160	6,819	13,979	12.6%
2015/16	7,107	6,984	14,091	12.6%
2014/15	7,073	6,961	14,034	12.6%
2013/14	6,491	6,459	12,950	12.9%



Regional Traffic Volumes

Bussell Hwy North of Vasse Hwy



Bussell Hwy
North of Vasse Hwy

Traffic Volume Monday to Sunday

VEHICLES

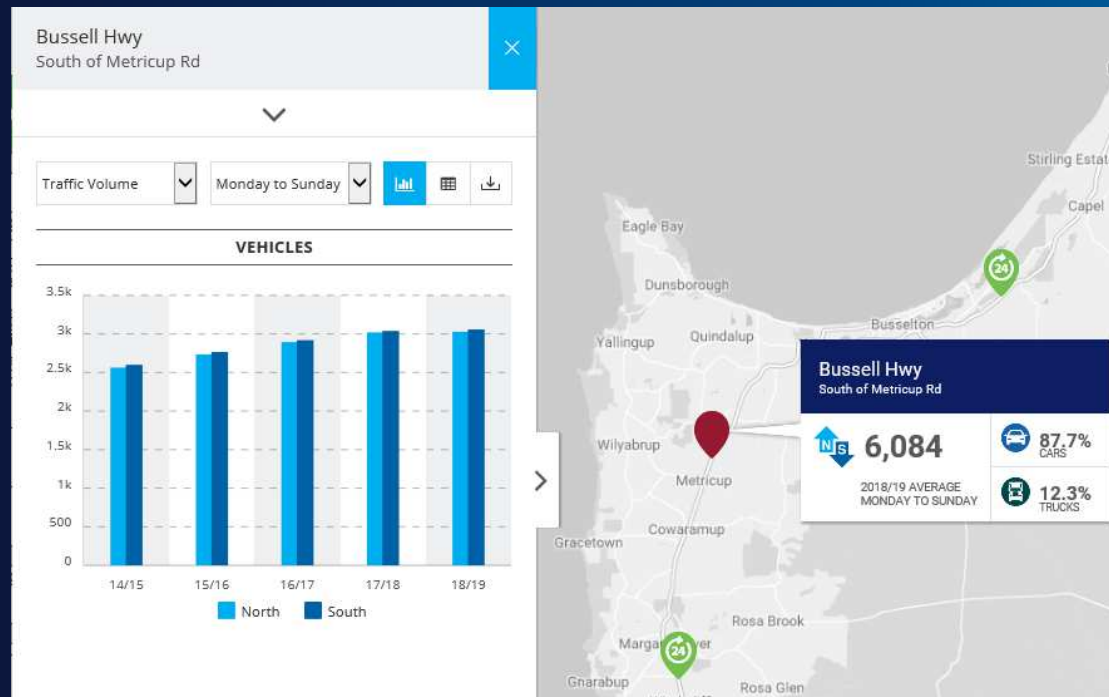
	NORTH	SOUTH	TOTAL	TRUCKS
2018/19	6,142	6,294	12,436	10.5%
2017/18	6,389	6,417	12,806	11.7%
2016/17	6,485	6,444	12,929	11.8%
2015/16				
2014/15	6,184	6,267	12,451	11.3%



mainroads
WESTERN AUSTRALIA

Regional Traffic Volumes

Bussell Hwy South of Metricup Rd



Bussell Hwy
South of Metricup Rd

Traffic Volume Monday to Sunday

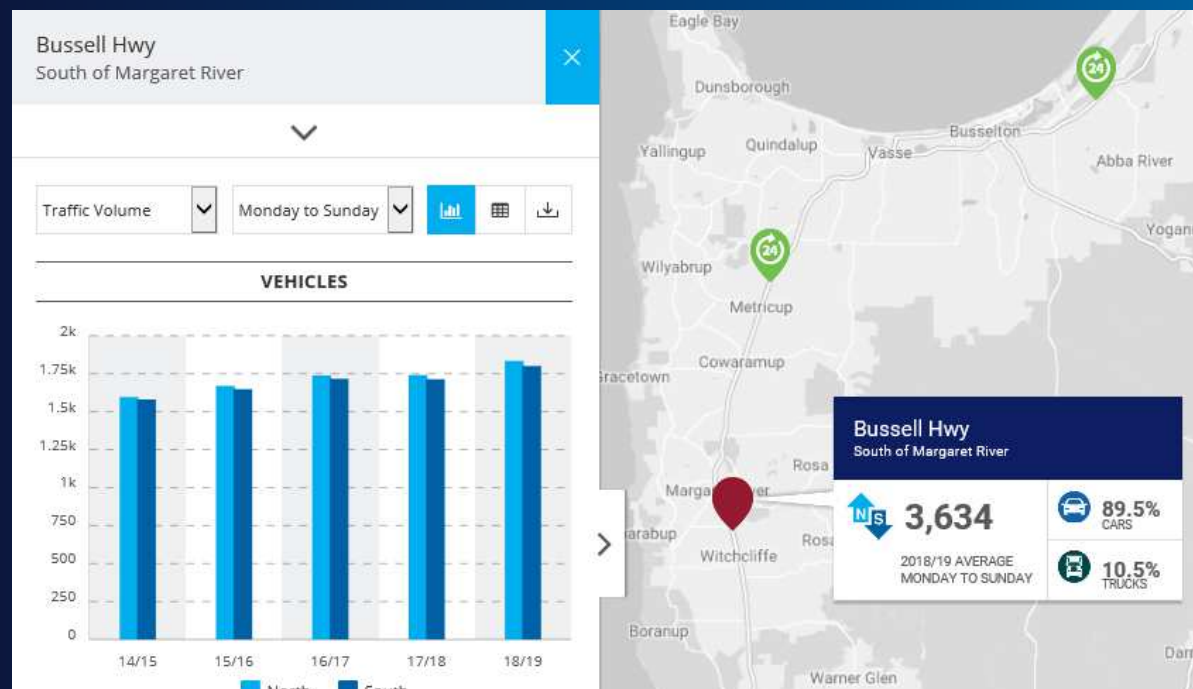
VEHICLES

	NORTH	SOUTH	TOTAL	TRUCKS
2018/19	3,027	3,057	6,084	12.3%
2017/18	3,019	3,038	6,057	12.2%
2016/17	2,893	2,918	5,811	12.1%
2015/16	2,734	2,766	5,500	11.9%
2014/15	2,563	2,599	5,162	11.4%



Regional Traffic Volumes

Bussell Hwy South of Margaret River



Bussell Hwy
South of Margaret River

Traffic Volume Monday to Sunday

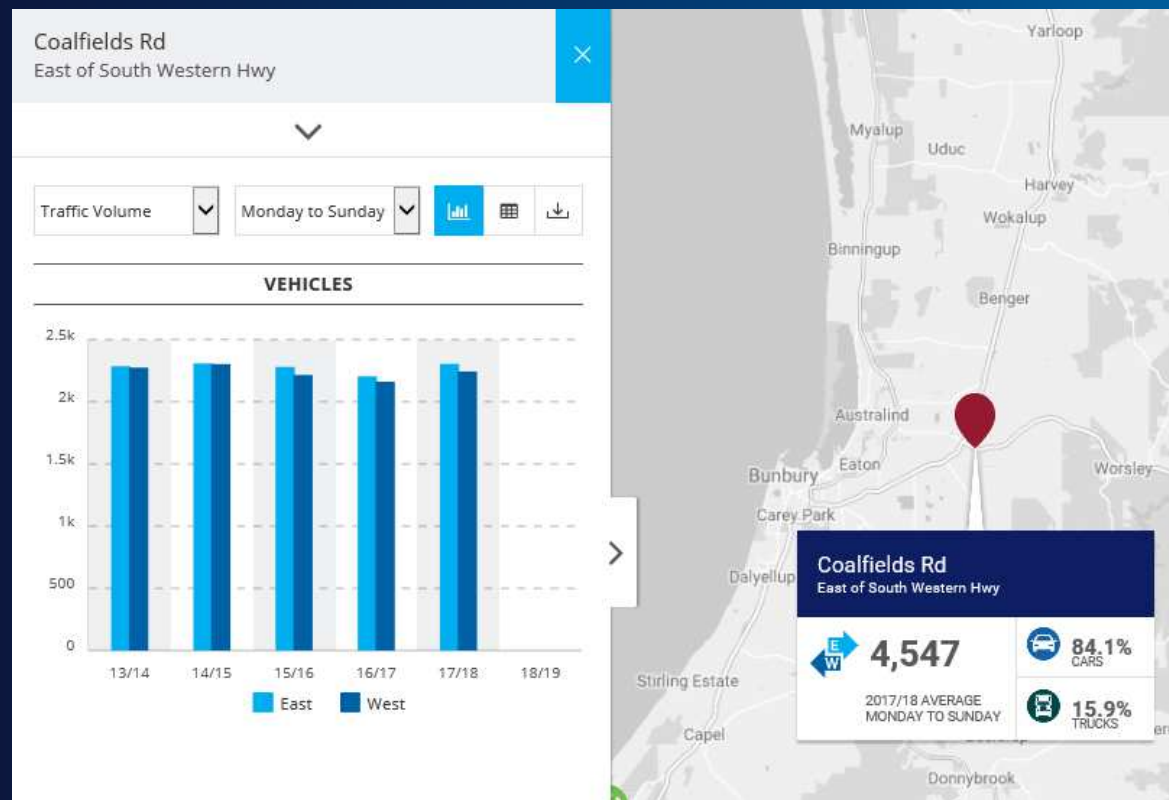
VEHICLES

	NORTH	SOUTH	TOTAL	TRUCKS
2018/19	1,834	1,800	3,634	10.5%
2017/18	1,741	1,713	3,454	11.4%
2016/17	1,738	1,716	3,454	10.3%
2015/16	1,669	1,648	3,317	10.3%
2014/15	1,596	1,580	3,176	11.4%



Regional Traffic Volumes

Coalfields Rd East of South Western Hwy



Coalfields Rd
East of South Western Hwy

Traffic Volume Monday to Sunday

VEHICLES

	EAST	WEST	TOTAL	TRUCKS
2018/19				
2017/18	2,304	2,243	4,547	15.9%
2016/17	2,204	2,161	4,365	15.9%
2015/16	2,280	2,215	4,495	13.1%
2014/15	2,308	2,303	4,611	13.1%
2013/14	2,285	2,274	4,559	12.2%



mainroads
WESTERN AUSTRALIA

Key Projects





mainroads
WESTERN AUSTRALIA

South West Hwy - Safety Upgrades

- It is a key route connecting Perth with south-west communities including Pinjarra, Harvey, Donnybrook and Walpole
- The section between Waroona and Brunswick accessed by an average 4,000 vehicles per day
- In response to safety concerns significant improvement works were undertaken on two sections
 - Between Wokalup and Brunswick
 - Between Waroona and Yarloop
- 26kms of sealed shoulders are now widened, safety barriers are installed
- Audible edge lines and a 600-mm wide centre-line treatment increased vehicle separated and alerts drivers who cross the centre-line



mainroads
WESTERN AUSTRALIA

Margaret River - Improved Traffic Flow and Safety

- 7km Margaret River Perimeter Road was completed in early February 2019.
- Extending from Airport Access Road and linking back to Bussell Hwy
- Provides an alternative, high standard, free-flowing route for heavy vehicles around the town of Margaret River
- Approximately 1,200 vehicles use the perimeter road each day and indicative counts show more than 20% are classed as heavy vehicles
- 1m wide painted central median on the new perimeter road offers additional safety
- From 2012 a community reference group provide input into the project, the project subsequently included:
 - 96m road bridge and separate footbridge on the Darch trail
 - New entrance road to the airstrip
 - Sealed shoulder for cyclists
- During construction more than 20 local businesses were engaged, 120 local workers employed and 20 traineeships created.



mainroads
WESTERN AUSTRALIA

Key Projects (completed 2018/19)

Project	Total Project Cost (\$ million)	Completion Date	Description
Bussell Hwy – Fairway Dve	5.8	Jan 2019	Roundabout including extension of dual carriageway
South West Hwy – Balingup South, Padbury Stage 3	2.6	Feb 2019	Passing lane extension, South Western Hwy
Margaret River Perimeter Road – Stage 2	~\$40M	Dec 2018	Construction of: 5.2km of Perimeter Road, connecting Roads Brook intersection; 2.3km of Archibald Drive and roundabout connection; A new sealed entrance road to Airport; 96-m road bridge and separate footbridge on the Darch trail
South Western Hwy	0.7	Jun 2019	Widen seal and shoulder – South Western Hwy to Walpole
Boyanup Caple Rd	2.1	May 2019	Widen and seal shoulders
Forrest Hwy – Hynes Rd	0.8	Nov 2018	Right turn acceleration lane northbound – Forrest Hwy to Hynes Rd
Pinjarra Williams Rd	2.9	Jun 2019	Widening and Recovery zone
Collie Mumballup Rd	4.2	May 2019	Widen to 9m seal



Before and After – Walpole





BORR Project





mainroads
WESTERN AUSTRALIA

Pinjarra Williams Road Improvement



Existing two-lane road has narrow seal width, narrow gravel shoulders and steep batters

Works west of Dwellingup: Completed in early-2018, we added a passing lane westbound and improved the recovery zone widths

Works east of Dwellingup: Due for completion by 2019/20 upgrades include widening the road pavement, drainage culverts and bitumen sealing, improvement to the recovery zone width.



mainroads
WESTERN AUSTRALIA

Bussell Hwy Duplication



A 17km section between Capel and north of Busselton is a two lane single carriageway with passing lanes at approximately 5km intervals in each direction

Pre-construction works on the Capel to Hutton Road section. Project is currently in the planning stage.

Stage 1 (Capel Bypass to Ludlow Deviation): 5km second carriageway including reconstruction of part of the existing carriageway

Stage 2 (Ludlow Deviation to Busselton): 12km section including 3 bridges



Questions?