

**ESTIMATES AND FINANCIAL OPERATIONS COMMITTEE
2016/17 BUDGET ESTIMATES HEARINGS
SUPPLEMENTARY QUESTIONS**

Main Roads Western Australia

Hon Stephen Dawson MLC asked:

C1) For each on-ramp which was upgraded as part of the 2015-16 TCMP on-ramp line marking program on the Kwinana Freeway, Mitchell Freeway, and Graham Farmer Freeway, can Main Roads provide:

a. The start date?

Answer: Paganoni onto Kwinana Southbound on 12 January 2016, Paganoni onto Kwinana Northbound on 13 January 2016, Karnup Rd onto Kwinana Southbound on 14 January 2016, Karnup Rd onto Kwinana Northbound on 17 January 2016, Safety Bay Rd onto Kwinana Southbound on 20 January 2016, Safety Bay Rd onto Kwinana Northbound on 21 January 2016, Thomas Rd onto Kwinana Southbound on 27 January 2016, Thomas Rd onto Kwinana Northbound on 28 January 2016, Mortimer Rd onto Kwinana Southbound on 31 January 2016, Mortimer Rd onto Kwinana Northbound on 1 February 2016, Russell Rd onto Kwinana Northbound on 4 February 2016, Beeliar Rd onto Kwinana Northbound on 7 February 2016, Anketell Rd onto Kwinana Southbound on 8 February 2016, Anketell Rd onto Kwinana Northbound on 9 February 2016, Mundijong Rd onto Kwinana Northbound on 14 February 2016, Mundijong Rd onto Kwinana Southbound on 16 February 2016, Mill Point Rd onto Kwinana Southbound on 25 February 2016, Shenton Ave onto Mitchell Northbound on 28 February 2016, Hodges Dve onto Mitchell Southbound on 29 February 2016, Ocean Reef Rd onto Mitchell Southbound on 1 March 2016, Ocean Reef Rd onto Mitchell Northbound on 2 March 2016, Whitfords Ave onto Mitchell Southbound on 8 March 2016, Hepburn Ave onto Mitchell Northbound on 10 March 2016, Karrinyup Rd onto Mitchell Northbound on 13 March 2016, Whitfords Ave onto Mitchell Northbound on 13 March 2016, Warwick Rd onto Mitchell Northbound on 15 March 2016, Karrinyup Rd onto Mitchell Southbound on 15 March 2016, Hutton Rd onto Mitchell Southbound on 16 March 2016, Heavy Vehicle Weighing Stations onto Kwinana Southbound on 16 March 2016, Heavy Vehicle Weighing Stations onto Kwinana Northbound on 17 March 2016, Russell Rd onto Kwinana Southbound on 20 March 2016, Vincent onto Mitchell Southbound on 20 March 2016, Riverside Dve onto Mitchell Southbound on 20 March 2016, Vincent onto Mitchell Northbound on 21 March 2016, Sutherland St onto Mitchell Northbound on 22 March 2016, Westbound Leach Hwy onto Kwinana Northbound on 22 March 2016, Eastbound Leach Hwy onto Kwinana Northbound on 23 March 2016, Canning Hwy onto Kwinana Southbound on 30 March 2016, Manning Rd onto Kwinana Northbound on 31 March 2016, Rowley Rd onto Kwinana Northbound on 3 April 2016, Cranford Ave onto Kwinana Northbound on 3 April 2016, Rowley Rd onto Kwinana Southbound on 4 April 2016, Berrigan Dr onto Kwinana Northbound on 4 April 2016, Canning Hwy onto Kwinana Northbound on 26 April 2016, Scarborough Beach Rd onto Mitchell Southbound on 2 May 2016, Charles St onto Graham Farmer Freeway Eastbound on 27 April 2016, Great Eastern Highway onto Graham Farmer Freeway Eastbound on 28 April 2016, Great Eastern Highway onto Graham Farmer Freeway Westbound on 1 May 2016, Charles St onto Mitchell Southbound on 12 April 2016, Market St onto Mitchell Southbound on 12 April 2016, Mandjoorgoordap Dr onto Kwinana Northbound on 02 April 2016, Lakes Rd onto Kwinana Northbound on 02 April 2016, Pinjarra Rd onto Kwinana Northbound on 02 April 2016, Mandjoorgoordap Dr onto Kwinana Southbound on 02 April 2016, Lakes Rd onto Kwinana Southbound on 02 April 2016, and Pinjarra Rd onto Kwinana Southbound on 02 April 2016.



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- b. The number of complaints Main Roads has received about each location since the new system has come into place?*

Answer: Main Roads has received a total of 94 complaints and 8 compliments about the Merge Lines Project since January 2016.

To identify individual sites/locations for complaints/compliments would not be an accurate reflection as a number of customers do not specify a location.

- C2) What are the 32 on-ramps which will be included as the next phase of the TCMP on-ramp line marking program, on Reid Highway, Tonkin Highway, and Roe Highway?*

Answer: There are 31 locations over Reid Highway, Tonkin highway, Leach Highway and Roe Highway which include Wanneroo Rd onto Reid Hwy Eastbound, Mirrabooka Ave onto Reid Hwy Eastbound, Alexander Dr onto Reid Hwy Eastbound, Wanneroo Rd onto Reid Hwy Westbound, Mirrabooka Ave onto Reid Hwy Westbound, Alexander Dr onto Reid Hwy Westbound, Lightning Park Ramp onto Reid Hwy Westbound, Albany Hwy onto Tonkin Highway Southbound, Corfield St onto Tonkin Highway Southbound, Albany Hwy onto Tonkin Highway Northbound, Guildford Rd onto Tonkin Highway Northbound, Great Eastern Highway onto Roe Hwy East/Northbound, Welshpool Rd East / Orrong Rd onto Roe Hwy East/Northbound, Kenwick Link onto Roe Hwy East/Northbound, Nicholson Rd onto Roe Hwy East/Northbound, Willeri Dr onto Roe Hwy East/Northbound, South St / Ranford Rd onto Roe Hwy East/Northbound, Karel Ave onto Roe Hwy East/Northbound, Kwinana Fwy Southbound onto Roe Hwy East/Northbound, Great Eastern Highway onto Roe Hwy West/Southbound, Clayton St onto Roe Hwy West/Southbound, Maida Vale Rd onto Roe Hwy West/Southbound, Welshpool Rd East / Orrong Rd onto Roe Hwy West/Southbound, Kenwick Link onto Roe Hwy West/Southbound, Nicholson Rd onto Roe Hwy West/Southbound, Willeri Dr onto Roe Hwy West/Southbound, South St / Ranford Rd onto Roe Hwy West/Southbound, Karel Ave onto Roe Hwy West/Southbound, Orrong Rd onto Leach Hwy Northbound, Orrong Rd onto Leach Hwy Southbound and Albany Hwy onto Leach Hwy.



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Hon Peter Katsambanis MLC asked:

C3) has there been consultation with Whitfords City shopping centre regarding the timing of the planned roadworks at Marmion Avenue and Hepburn Avenue, and Marmion Avenue and Whitfords Avenue?

Answer: There has been consultation with the Scentre Group which owns the Whitfords City shopping centre on the upgrading and timing of the Marmion Avenue / Whitfords Avenue intersection.



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Main Roads Western Australia

Hon Stephen Dawson MLC asked:

C4) How much did the upgrade of the 45 intersections which were part of the 2015-16 TCMP on-ramp line marking program on the Kwinana Freeway, Mitchell Freeway, and Graham Farmer Freeway cost?

- a. Does the \$8.5 million set aside to pay for these changes also include the 32 planned for Tonkin Highway, Roe Highway, and Reid Highway in the next phase of the TCMP program?*

Answer:

Yes.

- b. How much did the initial 45 on-ramps cost in total?*

Answer:

The 56 on ramps cost approximately \$5.5 million.

- c. What will the supplementary 32 on-ramps cost in total?*

Answer:

The 31 on ramps cost approximately \$3 million

- d. What will the \$40 million congestion program funding for 2016-17 be spent on?*

Answer:

Key projects include: Graham Farmer Freeway / East Parade Intersection Upgrade, Marmion Avenue / Hepburn Avenue Intersection Upgrade, Marmion Avenue / Whitfords Avenue Intersection Upgrade, Tonkin Highway / Kelvin Road Intersection Upgrade, Merge Line Improvements on Reid, Roe and Tonkin Highways, Variable Message Sign Expansion and Incident Response Service Expansion.

- e. What has been spent, as of 15 June 2016?*

Answer:

\$13 million.

- f. What is planned to be spent?*

Answer:

\$40 million.



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g. What unfunded projects are included as part of the TCMP project?

Answer:

There are no unfunded TCMP projects.

C5) In relation to the Ellenbrook Bus Rapid Transit project:

a. How many parcels of land still need to be acquired?

Answer:

Nine.

b. What is the value of the land?

Answer:

The estimated value of the private parcels of land is \$7.242 million

C6) How much money has been spent on the planning phase of the Redbank Bridge project, in Port Hedland?

Answer:

As of 28 June 2016, Main Roads has expended \$564,489 in development of the Port Hedland Road Duplication Project, one element of which is the Redbank Bridge works.

C7) What is the traffic forecast for Port Hedland Road that is going to go through the Lumsden Point General Cargo Facility?

Answer:

The project area for Stage 1 of the Port Hedland Road duplication project is between McGregor Street and the Interchange on Great Northern Highway (GNH), which is the start of the Port Hedland Road. The forecast traffic volumes in 2031 indicate a daily traffic volume of 26,795 Vehicles per Day (VPD) at McGregor Street and 32,214 VPD at the GNH interchange.



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Main Roads Western Australia

Hon Alanna Clohesy MLC asked:

C8) On Coalfields Highway at Roelands Hill what are:

a. The truck movements forecast for 2016-17?

Answer:

Main Roads does not have forecast truck numbers and tonnages for 2016-17 for the Coalfields Highway at Roelands Hill. However I can advise that in 2015-16 there was a daily average of 593 trucks (including 144 Restricted Access Vehicles)). This is similar to the truck traffic on the highway during the peak periods in 2011 and 2012. The highway is of a standard to cater for this traffic and any expected increase in vehicle or truck traffic.

b. the expected tonnage of grain to be carted in 2016-17?

Please refer to part a.

C9) For the improvements to the South Western Highway from Donnybrook to Greenbushes:

a. How much has been expended to date;

Answer:

Expenditure to the end of the 2015-16 financial year is expected to be \$4.4 million.

b. How much is budgeted for;

Answer:

The budget for the project remains at \$25.781 million

c. From which programs; and

Answer:

This project is state funded.

d. In which years?

Answer:

The project is currently scheduled for completion during the 2020-21 financial year.



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Hon Ken Travers MLC asked:

C10) when was the last time there was no capital appropriation for road funding, as opposed to money through the Road Traffic Act?

Answer:

No previous times.



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Main Roads Western Australia

Hon Alanna Clohesy MLC asked:

C11) Regarding the Bunbury Outer Ring Road Project:

a. What are the remaining stages of the project?

Answer:

South Western Highway to Bussell Highway and Forrest Highway to Boyanup Picton Road.

b. What are the local planning impacts of the project?

Answer:

The road is shown in the Greater Bunbury Regional Scheme and land use planning and current development has been undertaken to accommodate the road. The construction of the road will enhance access to planned future residential (Wanju) and industrial (Picton East) developments.

c. What is the future timing of the project?

Answer:

The project is unfunded.

C12) What is the Restricted Vehicle Access on

a. Collie-Preston Road; and

Answer:

RAV Network 4.

b. Preston Road?

Answer:

It is assumed the Hon Member is referring to the Donnybrook - Boyup Brook Road in which case RAV Network 4.



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Main Roads Western Australia

c. What upgrades or improvements are scheduled for these roads?

Answer:

- a) Collie—Preston Road: In recent years the Collie-Preston Road has been widened and edge lined to a location 7.5 km south of Collie. Widening of the remaining 14 km to Mumballup is anticipated but will require the excision of State Forest and as such will not be possible for a number of years.
- b) Preston Road (Donnybrook - Boyup Brook Road): The following upgrade and widening works have recently been completed or are scheduled on this 72 kilometre road:
- i. Sealing of the shoulders 1.0m wide for 26 km completed in 2011/12, with painted edge lines provided in 2012-13;
 - ii. Sealing of shoulders 1.0m wide for 38km of the remaining 46km was completed over the period January 2015 to June 2016;
 - iii. Installation of guard rail at selected locations installed during 2015-16;
 - iv. Selected clear zone improvements (removal of close trees) undertaken in June 2016;
 - v. Realignment and improvement of curves completed in early 2016;
 - vi. Improvement of two curves completed in 2015-16;
 - vii. Surface correction to reduce roughness undertaken in the first half of 2016;
 - viii. Sealing of shoulders 1.0m wide on 7km during 2016/17;
 - ix. To complete the upgrade of this road the realignment and widening of a 1km tight curved section is planned for 2017-18 subject to funding. Funds are available in 2016-17 to resume land, relocate services and complete road design / environmental approvals.
- d. Is Main Roads aware of the concerns of local residents about the lack of width and the impacts this is having on heavy haulage trucks?*

Answer:

Yes.



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Main Roads Western Australia

Hon Lynne MacLaren MLC asked

C13) In regard to Heavy Vehicle User Charge project expenditure:

a. How much of the \$67 million allocation will be for planning work?

Answer:

The detailed cost estimates for a Heavy Vehicle Charging scheme are to be developed. The Project Definition Plan will include a breakdown of costs, including costs for planning and physical infrastructure.

b. How much of the \$67 million allocation is for implementing physical infrastructure?

Answer:

Please refer to part a.

c. What has the \$5 million recorded as estimated expenditure in 2015-16 towards the Heavy Vehicle User Charge project been spent on?

Answer:

The actual expenditure during the 2015-16 financial year is expected to be approximately \$2.4 million and has been spent on investigating how Global Navigation Satellite Systems technology is used for heavy vehicle charging in other jurisdictions; to identify how this could be applied in Western Australia; and to commence development of a Project Definition Plan.



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Main Roads Western Australia

Hon Rick Mazza MLC asked:

C14) What were the 10 per cent of projects in Road Safety that were not on time or on budget in 2015-16?

Answer:

The figure of 90% or better reflects the target established for delivery of Road Safety projects on time and on budget in 2015-16. The actual results will not be available until after the end of the financial year and will be tabled in Parliament as part of Main Roads audited key performance measures included in its 2015-16 Annual Report.



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Main Roads Western Australia

Hon Martin Pritchard MLC asked:

C15) Please provide a list of the most congested junctions in the State?

a. Provide the list updated after 15 June 2016

Answer:

Please refer to attachment one.

b. Provide the historical list

Answer:

Please refer to attachment one.

c. Advise what congestion impact has changed from the old list to the new list.

Answer:

Three intersections that were on the historical list (highlighted in green) have been removed from the current list as a result of major upgrade works.

C16) What is the expected time frame for the removal of traffic lights, and the development overpasses at the intersections of:

a. Wanneroo Road and Ocean Reef Drive; and

Answer:

This is currently unfunded.

b. Wanneroo Road and Joondalup Drive?

Answer:

This is currently unfunded.


c. What is the expected cost of the overpasses?

Answer:

Detailed cost estimates are not available.

d. Is Main Roads still of the view that they can wait until 2031?

Answer:

The performance of the network, including these two locations, is monitored on an ongoing basis. Any decision for a grade separation at these two intersections is considered in that light. 

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Main Roads Western Australia

Hon Samantha Rowe MLC asked

C17: How much has been spent in assessing claims in relation to property damaged allegedly caused by the Gateway WA project?

Answer:

To date, approximately \$309,000.

a. Has an amount been set aside for assessments in future years?

Answer:

As part of the Gateway WA (GWA) project, the GWA Alliance is only assessing property damage claims allegedly related to project construction activities.

Main Roads does not consider property damage claims for damage allegedly occurring from the operation of upgraded infrastructure, as such no funds beyond the project costs have been allocated.

b. What is the total amount likely to be compensated for the properties?

Answer:

GWA estimates the property damage claims assessments are approximately sixty per cent complete however GWA is not in a position to provide an accurate estimate for the total claims as several claim submissions from properties across the project footprint are incomplete.



Top 20 Congested Metropolitan State Road Intersections

CURRENT LIST (JUNE 2016)

Metro State Roads Congestion Rank	Intersection	Status
1	LEACH HWY / WELSHPOOL RD	
2	GRAHAM FARMER FWY / EAST PDE INTERCHANGE	Work in progress
3	TONKIN HWY / COLLIER RD	Work in progress
4	TONKIN HWY / MORLEY DVE	Work in progress
5	LEACH HWY / MANNING RD	
6	GT EASTERN HWY / TONKIN HWY (EAST) / BREARLEY AVE	Work in progress
7	ARMADALE RD / KWINANA FWY / BEELIAR DVE	
8	WANNEROO RD / JOONDALUP DVE	Work in progress
9	WANNEROO RD / OCEAN REEF RD	
10	GT EASTERN HWY / ORRONG RD ON RAMP	
11	MITCHELL FWY / HUTTON ST INTERCHANGE	Work in progress
12	TONKIN HWY / WELSHPOOL RD	
13	WANNEROO RD / MORLEY DVE	
14	SOUTH ST / NORTH LAKE RD	Work in progress
15	MITCHELL FWY (WEST) / SOUTHPORT ST / VINCENT ST	
16	STOCK RD / SOUTH ST	
17	LEACH HWY / STOCK RD	
18	MARMION AVE / HEPBURN AVE	Work in progress
19	CANNING HWY / KWINANA FWY (WEST)	
20	GRAHAM FARMER FWY / LEEDERVILLE PDE / LOFTUS ST	

ORIGINAL LIST (source: 2016 ARRB report)

Metro State Roads Congestion Rank	Intersection	Status
1	LEACH HWY / WELSHPOOL RD	
2	GRAHAM FARMER FWY / EAST PDE INTERCHANGE	Work in progress
3	TONKIN HWY / COLLIER RD	Work in progress
4	LEACH HWY / ABERNETHY RD INTERCHANGE	Complete
5	LEACH HWY / TONKIN HWY	Complete
6	TONKIN HWY / MORLEY DVE	Work in progress
7	LEACH HWY / MANNING RD	
8	GT EASTERN HWY / TONKIN HWY (EAST) / BREARLEY AVE	Work in progress
9	ARMADALE RD / KWINANA FWY / BEELIAR DVE	
10	WANNEROO RD / JOONDALUP DVE	Work in progress
11	WANNEROO RD / OCEAN REEF RD	
12	GT EASTERN HWY / ORRONG RD ON RAMP	
13	MITCHELL FWY / HUTTON ST INTERCHANGE	Work in progress
14	TONKIN HWY / WELSHPOOL RD	
15	REID HWY / MALAGA DVE	Complete
16	WANNEROO RD / MORLEY DVE	
17	SOUTH ST / NORTH LAKE RD	Work in progress
18	MITCHELL FWY (WEST) / SOUTHPORT ST / VINCENT ST	
19	STOCK RD / SOUTH ST	
20	LEACH HWY / STOCK RD	

Note
Based on 2014/2015 data from Network Performance Analysis for Perth Congestion Response (ARRB, 2016)

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