

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

Main Roads Western Australia

Hon Ken Travers MLC asked:

1. *What cycling projects are included in the 2016/17 Budget for Main Roads and for each project?*
 - a. *What is the scope of the projects,*

Answer:

Design and construction of Principal Shared Path – Guildford Station to Morrison Road.
Design and construction of Principal Shared Path – end of Railway Parade cul-de-sac to the Guildford Road traffic bridge
Design and cost estimate of Principal Shared Path – Shirley Avenue to Mount Henry Bridge.
Construction of Principal Shared Path – Mitchell Freeway Extension – Burns Beach Road to Hester Avenue
Construction of Principal Shared Path – Section 3: Roe Highway Upgrade - Between Tonkin Highway and Welshpool Road
Construction of Principal Shared Path – Northlink WA – Tonkin Grade Separations

- b. *What is the total estimated cost of the project,*

Answer:

Project	Total Estimated cost of the project
Design and construction of Principal Shared Path – – Guildford Station to Morrison Road	\$8,105,000
Design and construction of Principal Shared Path – end of Railway Parade cul-de-sac to the Guildford Road traffic bridge	\$1,515,000
Design and cost estimate of Principal Shared Path – Shirley Avenue to Mount Henry Bridge	\$435,000
Construction of Principal Shared Path – Mitchell Freeway Extension – Burns Beach Road to Hester Avenue	\$5,800,000
Construction of Principal Shared Path – Section 3: Roe Highway Upgrade - Between Tonkin Highway and Welshpool Road	\$160,000
Construction of Principal Shared Path – Northlink WA – Tonkin Grade Separations	\$622,364

c. Where in the budget papers is the funding for the project listed,

Answer:

Project	Location in the budget papers
Design and construction of Principal Shared Path – Guildford Station to Morrison Road.	Pg. 733, Program 4.0 Infrastructure for Community Access
Design and construction of Principal Shared Path – end of Railway Parade cul-de-sac to the Guildford Road traffic bridge	Pg. 733, Program 4.0 Infrastructure for Community Access
Design and cost estimate of Principal Shared Path – Shirley Avenue to Shirley Avenue to Mount Henry Bridge.	Pg. 733, Program 4.0 Infrastructure for Community Access
Construction of Principal Shared Path – Mitchell Freeway Extension – Burns Beach Road to Hester Avenue	Pg. 735, Asset Investment Program
Construction of Principal Shared Path – Section 3: Roe Highway Upgrade - Between Tonkin Highway and Welshpool Road	Pg. 735, Asset Investment Program
Construction of Principal Shared Path – Northlink WA – Tonkin Grade Separations	Pg. 735, Asset Investment Program

d. How much funding is allocated to the project in 2016/17 and how much in each year of the forward estimates,

Answer:

Project	2016-17	2017-18	2018-19	2019-20	2020-21
Design and construction of Principal Shared Path – Guildford Station to Morrison Road. *Note: MRWA cashflows used in 2015/16 to enable the construction to commence much earlier than the funding profile from DOT.	\$5,055,000*	\$1,055,000*	\$0	\$0	\$0
Design and construction of Principal Shared Path – end of Railway Parade cul-de-sac to the Guildford Road traffic bridge	\$215,000	\$0	\$0	\$0	\$0
Design and cost estimate of Principal Shared Path – Shirley Avenue to Mount Henry Bridge.	\$160,000	\$0	\$0	\$0	\$0
Construction of Principal Shared Path – Mitchell Freeway Extension –	\$5,800,000	\$0	\$0	\$0	\$0

Burns Beach Road to Hester Avenue					
Construction of Principal Shared Path – Section 3: Roe Highway Upgrade - Between Tonkin Highway and Welshpool Road	\$80,000	\$0	\$0	\$0	\$0
Construction of Principal Shared Path – Northlink WA – Tonkin Grade Separations	\$622,364	\$0	\$0	\$0	\$0

e. *When will work on the project commence, and*

Answer:

Project	When will work on the project commence
Design and construction of Principal Shared Path – Guildford Station to Morrison Road	Project development commenced in July 2012.
Design and construction of Principal Shared Path – end of Railway Parade cul-de-sac to the Guildford Road traffic bridge	Project development commenced in July 2015.
Design and cost estimate of Principal Shared Path – Shirley Avenue to Mount Henry Bridge.	Project development commenced in July 2013.
Construction of Principal Shared Path – Mitchell Freeway Extension – Burns Beach Road to Hester Avenue	Project development will commence in first quarter 2017
Construction of Principal Shared Path – Section 3: Roe Highway Upgrade - Between Tonkin Highway and Welshpool Road	Project development will commence in fourth quarter 2016
Construction of Principal Shared Path – Northlink WA – Tonkin Grade Separations	Project development will commence in second quarter 2016

f. *When will work on the project be completed?*

Answer:

Project	When will work on the project be completed
Design and construction of Principal Shared Path – Guildford Station to Morrison Road.	Third quarter 2016.
Design and construction of Principal Shared Path – end of Railway Parade cul-de-sac to the Guildford Road traffic bridge	Second quarter 2016.
Design and cost estimate of Principal Shared Path – Shirley Avenue to Mount Henry Bridge.	Complete design anticipated to be finalised by third quarter 2017.
Construction of Principal Shared Path – Mitchell Freeway Extension – Burns Beach Road to Hester Avenue	First quarter 2017.



Construction of Principal Shared Path – Section 3: Roe Highway Upgrade - Between Tonkin Highway and Welshpool Road	Fourth quarter 2016.
Construction of Principal Shared Path – Northlink WA – Tonkin Grade Separations	Second quarter 2017.

2. *If refer to Budget Paper No. 2 Volume 2 at page 735 'Works in progress', and I ask:*
- a. *For each project in the Safer Roads and Bridges Program for 2016/17*
 - i. *Can you provide a description of each project being funded*
 - ii. *The total cost of each project*
 - iii. *And any expected expenditure in each year of the forward estimates?*
 - b. *For the Run-off Crashes on Regional Roads program from 2016/17,*
 - i. *Can you provide a description of each project being funded*
 - ii. *The total cost of each project*
 - c. *For the Urban Intersection Crash Sites program for 2016/17,*
 - i. *Can you provide a description of each project being funded*
 - ii. *The total cost of each project*

Answer:

As is normal process, the Safer Roads and Bridges Program, Run-off Crashes and Urban Intersection Crash Sites Program are finalised once the Budget of the year has been announced. For the Safer Roads and Bridges Program, Run-off Crashes and Urban Intersection Crash Sites Program are currently being developed and will be provided to the Minister for Transport for approval before 30 June 2016.

3. *I refer to Budget Paper No. 2 Volume 2 at page 735 and ask that the answer be provided as previously done, in a spread-sheet detailing the information contained in the Main Roads WA budget papers, capital works programs*
- a. *A comprehensive breakdown for each of the subheadings that is 'Works in Progress', 'Completed Works' and 'New Works' detailing the following;*
 - i. *What contribution has been made from the Commonwealth, Royalties for Regions, Road Trauma Trust Fund, Regional Infrastructure and Headworks fund, and or Regional Community Services Fund?*

Answer:

Details of the contribution for 'Works in Progress', 'Completed Works', and 'New Works' detailing the contributions from the Commonwealth, Royalties for Regions, Road Trauma Trust Fund, Regional Infrastructure and Headworks fund, and/or Regional Community Services Fund are included in the spreadsheet included as **Attachment One**.

4. *Has Main Roads completed their comprehensive program of 'after' traffic counts on key grain freight routes?*

Answer: No

- a. *If no, why not?*

Answer: The work is in progress..

- b. *If yes to (4),*



i. *Will the department make their findings public?*

Answer: Yes.

ii. *When did the program commence?*

Answer: December 2014.

iii. *Who is conducting the program?*

Answer: Main Roads and and Department of Transport.

iv. *At what locations are the counts being conducted?*

Answer: See **Attachment Two** for a map at which the traffic counts are being undertaken.

v. *What is the cost of the program?*

Answer: Costs have been covered/absorbed within operating budgets, as traffic count tasks are part of normal activities. No additional equipment or resources were required to complete the traffic counts.

vi. *When will the results be made public?*

Answer: Mid 2016.

5. *What road upgrades and maintenance on routes used by trucks replacing grain on rail transport have been undertaken in 2015/16 and for each project, how much was allocated to the works?*

Answer:

Maintenance on local government roads is the responsibility of local governments. The below works are on local government roads and were designed and delivered by the respective local government. The amounts stated are the budgets provided to the respective local government via Main Roads programs.

- Babakin Corrigin road improvements 0.00 – 5.89 SLK \$3.448m
- Bruce Rock Townsite ssafety improvements \$0.405m
- Bruce Rock Barr Street road upgrade \$0.50m
- Shire of Trayning various road maintenance activities \$0.055m
- Shire of Quairading road upgrades (currently being delivered) \$1.7m

6. *What road upgrades and maintenance are scheduled for 2016/17 and under what line item in the budget are they being funded?*

Answer:

Maintenance works are funded from Total Appropriations on page 727 and Commonwealth Grants included in Grants and subsidies on page 738 of the Budget Papers. Reseal works are capitalised and appear in the Asset Investment Program (page 735) and are funded via Capital Appropriations.

The maintenance program is an annual allocation to undertake routine and periodic maintenance activities. The program remains flexible to take account of changing road and weather conditions



throughout the year. The following is a breakdown by Main Roads Region of the line item in the Budget Papers on page 730, Road Network Maintenance Program;

- Goldfields-Esperance \$28.636m
- Great Southern \$28.714m
- Kimberley \$32.519m
- Metropolitan \$102.968m
- Mid West-Gascoyne \$41.057m
- Pilbara \$33.056m
- South West \$36.316m
- Wheatbelt \$39.780m

7. *Have any problems or issues been identified with roads previously funded to replace the Tier 3 rail lines?*

a. *If yes, what is the nature of the issue or problem?*

Answer: Pavement failures and sealing issues were identified on Cunderdin Quairading Road within the improvement works designed and delivered by the Shire and a few potholes and rutting was identified on Bencubbin Kellerberrin Road. The Shire of Cunderdin has resealed the road and resolved the issues. Pavement failures were identified on Lomos Road within the improvements works designed and delivered by the Shire of Wickipen with repairs being completed by the Shire.

b. *Is additional funding required to address the issue?*

Answer: No.

c. *If yes, how much and who is responsible for the funding?*

Answer: Not applicable.

8. *Do the plans for NorthLink make provision for a future rail line -within Tonkin Highway immediately north of the Midland rail line?*

a. *If no, why not?*

Answer:

NorthLink WA does not extend south along Tonkin Highway to the Midland rail line, but ties into the existing Tonkin Highway south of Collier Road. There is currently no median on Tonkin Highway in the vicinity of the Midland rail line and hence no provision for a future rail line.

9. *I refer to Budget Paper No 2 Volume 2 at page 735 'Works in progress', and I ask*

- a. *For each project funded in the Safer Roads and Bridges Program for 2015/16*
 - i. *Can you provide a description of each project being funded*
 - ii. *The total cost of each project*
 - iii. *And any expected expenditure in each year of the forward estimates?*
- b. *For the Run-off Crashes on Regional Roads program for 2015/16*
 - i. *Can you provide a description of each project being funded*
 - ii. *The total cost of each project*

- c. *For the Urban Intersection Crash Sites program for 2015/16*
- i. *Can you provide a description of each project being funded*
 - ii. *The total cost of each project?*

Answer:

The requested detail is provided in the spreadsheet included as **Attachment Three**.

10. Please table copies of the 2016/17 Strategic Asset Plan.

Answer:

The Strategic Asset Plan is considered as part of the annual budget deliberation process and is therefore cabinet-in-confidence.

2016/17 Budget Papers
Estimates Hearing Upper House - Questions on Notice
Qu 3. Attachment

RTTA - Road Trauma Trust Account
RfR - Royalties for Regions

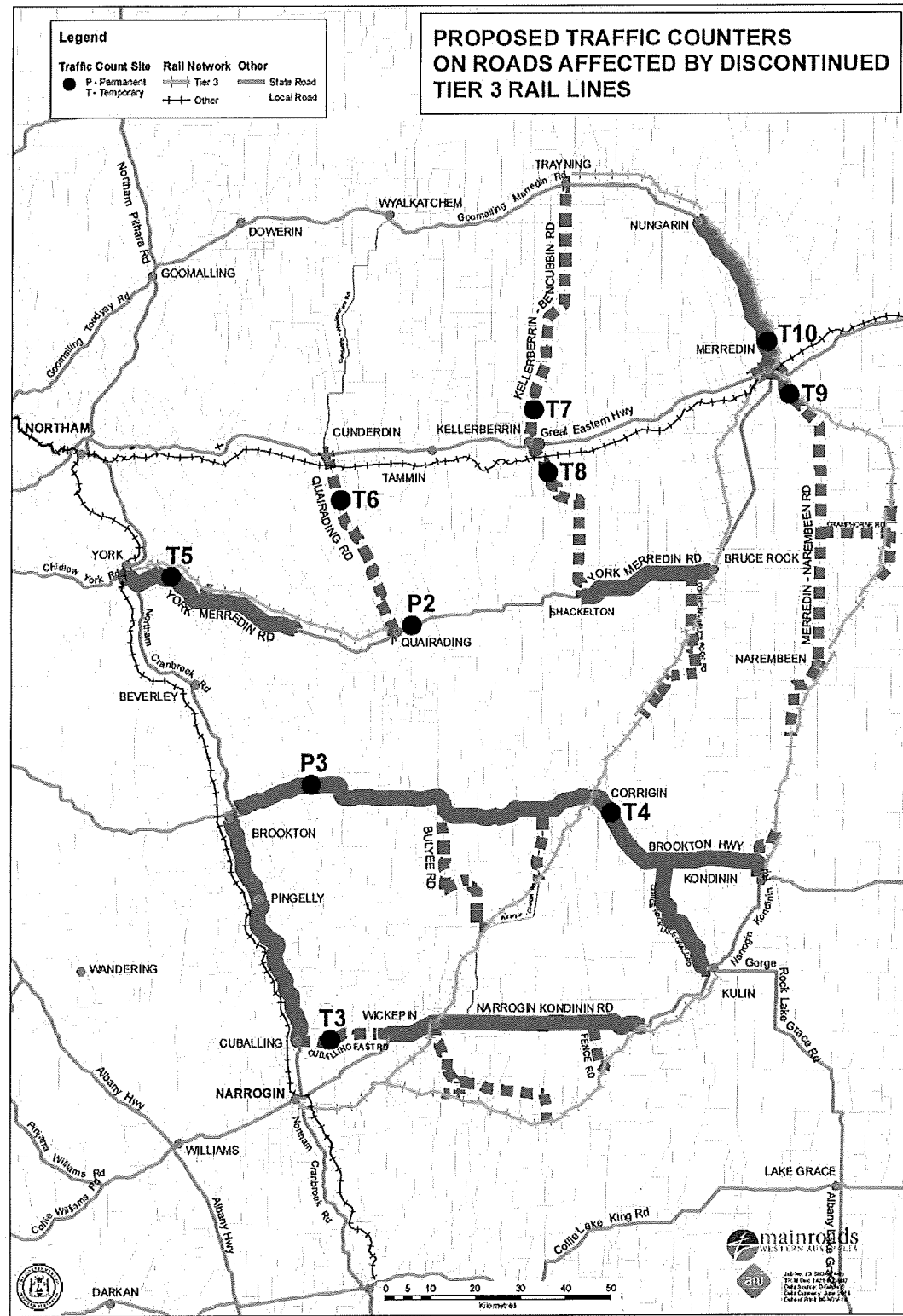
	Fund	Estimated Total Cost \$'000
WORKS IN PROGRESS		
Albany Highway - Passing Lanes (a)	State	7,986
Albany Highway - Passing Lanes (a)	RTTA	14,290
Aubin Grove Train Station Precinct	State	10,000
Aubin Grove Train Station Precinct	Commonwealth	20,000
Bridges Renewal Program		
Bridge Replacement South Western Highway Collie River Bridge	State	8,270
Bridge Replacement South Western Highway Collie River Bridge	Commonwealth	8,270
South Western Highway Beenyup Brook	State	1,700
South Western Highway Beenyup Brook	Commonwealth	1,700
Bussell Highway		
Margaret River Perimeter Road (b)	RfR	58,260
Vasse to Newtown	State	12,619
Vasse to Newtown	Third Party	8,590
Charles Street Bus Bridge	State	32,107
Coalfields Highway		
Wellington Dam Turn-off and Roelands Hill Dual Lanes (a)	RTTA	27,649
Gibb River Road - Derby - Gibb River - Wyndham Improve Formation, and Gravel	State	94,370
Gibb River Road - Derby - Gibb River - Wyndham Improve Formation, and Gravel	Third Party	2,915
Great Eastern Highway		
Bilgoman Road to Mundaring	State	14,400
Bilgoman Road to Mundaring	Commonwealth	9,600
Walgoolan to Coolgardie - Upgrade and Widening	State	17,500
Walgoolan to Coolgardie - Upgrade and Widening	Commonwealth	29,600
Great Northern Highway - Muchea to Wubin Stage 2	State	80,293
Great Northern Highway - Muchea to Wubin Stage 2	Commonwealth	306,950
Kwinana Freeway - Roe Highway to Russell Road Widening South Bound	State	13,283
Kwinana Freeway - Roe Highway to Russell Road Widening South Bound	Commonwealth	53,131
Mitchell Freeway - Burns Beach Road to Hester Avenue	State	47,248
Mitchell Freeway - Burns Beach Road to Hester Avenue	Commonwealth	189,100
National Highway Upgrade Program	State	8,241
National Highway Upgrade Program	Commonwealth	32,200

North West Coastal Highway - Minilya to Barradale	State	25,965
North West Coastal Highway - Minilya to Barradale	Commonwealth	102,000
NorthLink WA		
Swan Valley Bypass	State	164,280
Swan Valley Bypass	Commonwealth	672,320
Tonkin Highway Grade Separations	State	56,200
Tonkin Highway Grade Separations	Commonwealth	225,000
Onslow Road - Post Construction Upgrade	Third Parties	67,000
Perth Freight Link		
Section 1: Roe 8 - Kwinana Freeway to Stock Road	State	221,000
Section 1: Roe 8 - Kwinana Freeway to Stock Road	Commonwealth	319,000
Section 2: Roe Highway to Stirling Highway	State	409,900
Section 2: Roe Highway to Stirling Highway	Commonwealth	843,100
Section 3: Roe Highway Upgrade - Between Tonkin Highway and Welshpool Road	State	17,300
Section 3: Roe Highway Upgrade - Between Tonkin Highway and Welshpool Road	Commonwealth	23,700
Heavy Vehicle User Charge	State	67,000
Reid Highway - Duffy Road to Erindale Road Dual Carriageway	State	8,747
Reid Highway - Duffy Road to Erindale Road Dual Carriageway	Commonwealth	35,000
Reseal Capitalisation Program	State	461,636
Road Safety Commission (a)		
LED School Zone Lights	RTTA	35,936
Run-off Crashes on Regional Roads	RTTA	117,968
Urban Intersection Crash Sites	RTTA	41,139
Safer Roads and Bridges Program	State	392,483
Safer Roads and Bridges Program	RTTA	4,400
Safer Roads and Bridges Program	RfR	10,800
South Western Highway - Donnybrook to Greenbushes	State	25,781
Toodyay Road - Roland Road East to Toodyay Development (a)	RTTA	3,800
Traffic Congestion Management Program	State	5,600
Traffic Congestion Management Program	Commonwealth	22400
Royalties for Regions-Caravan & Camping Program Action Plan (c)	RfR	5497
COMPLETED WORKS		
Albany Ring Road	State	2,302
Albany Ring Road	Commonwealth	500
Brand Highway - Greenough River Bridge	State	10,415
Brand Highway - Greenough River Bridge	RfR	1,500

Buildings and Equipment 2015-16 Program	State	20,370
Capitalised Operational Costs 2015-16 Program	State	52,721
Coalfields Highway Wellington Dam Turnoff to Collie Stage 1	State	26,192
Coolgardie - Esperance Highway - Esperance Port Access	State	57,519
Coolgardie - Esperance Highway - Esperance Port Access	Commonwealth	60,000
Dampier Highway - Balmoral Road to Burrup Peninsula Road (Stages 2-6) Construct Second Carriageway	State	20,268
Dampier Highway - Balmoral Road to Burrup Peninsula Road (Stages 2-6) Construct Second Carriageway	Commonwealth	88,220
Gateway WA - Perth Airport and Freight Access	State	282,756
Gateway WA - Perth Airport and Freight Access	Commonwealth	620,799
Gateway WA - Perth Airport and Freight Access	Third Party	5,000
Goldfields Highway - Wiluna to Meekatharra	State	11,374
Goldfields Highway - Wiluna to Meekatharra	RfR	10,517
Great Northern Highway - Bindi Bindi Curves	State	4,000
Great Northern Highway - Bindi Bindi Curves	Commonwealth	36,000
Lloyd Street - Midland Under Pass	State	53,465
Lloyd Street - Midland Under Pass	Commonwealth	10,000
Lloyd Street - Midland Under Pass	Third Party	3,000
Marble Bar Road		
Fortescue River Crossing - Road Bridge (b)	RfR	12,660
Newman to Ripon Hills (b)	State	10,000
Newman to Ripon Hills (b)	RfR	10,000
Minor Works (includes Black Spot and Urgent Minor Works) 2015-16 Program	State	50,231
Mitchell Freeway - Hepburn Avenue to Hodges Drive	State	24,723
Narrogin Link Road - Northam-Cranbrook Road	State	7,543
Perth - Bunbury Highway		
Bunbury Outer Ring Road Stage One - Construct	State	5,074
Bunbury Outer Ring Road Stage One - Construct	Commonwealth	71,377
Bunbury Port Access Road Stage Two - Construct and Seal including Bridges	State	4,903
Bunbury Port Access Road Stage Two - Construct and Seal including Bridges	Commonwealth	34,369
Queen Victoria Street - Fremantle Traffic Bridge Replacement - Planning, Design and Preliminary Works	State	20,484
Reid Highway Malaga Drive Intersection Grade Separation	State	7016
Reid Highway Malaga Drive Intersection Grade Separation	Commonwealth	28,060

Roe Highway - Berkshire Road Grade Separation	State	11,240
Roe Highway - Berkshire Road Grade Separation	Commonwelath	40,848
South Coast Highway - Ravensthorpe Heavy Vehicle Route (b)	State	9,999
South Coast Highway - Ravensthorpe Heavy Vehicle Route (b)	RfR	7,500
NEW WORKS		
Armadale Road - Anstey Road to Tapper Road	State	29,000
Armadale Road - Anstey Road to Tapper Road	Commonwealth	116,000
Buildings and Equipment		
2016-17 Program	State	15,925
2017-18 Program	State	13,825
2018-19 Program	State	14,214
2019-20 Program	State	15,195
Capitalised Operational Costs		
2016-17 Program	State	53,871
2017-18 Program	State	55,391
2018-19 Program	State	57,061
2019-20 Program	State	59,707
Ellenbrook Bus Rapid Transit	State	48,000
Ellenbrook Bus Rapid Transit	Third Party	1,000
Great Eastern Highway - Passing Lanes (a) (b)	RfR	36,000
Great Eastern Highway - Passing Lanes (a) (b)	RTTA	12,000
Minor Works (includes Black Spot and Urgent Minor Works)		
2016-17 Program	State	35,528
2017-18 Program	State	48,980
2018-19 Program	State	34,417
2019-20 Program	State	40,234
Road Safety Commission - Wheatbelt Highway Safety Review Program (a)	RTTA	5,000

ATTACHMENT TWO: PROPOSED TRAFFIC COUNTERS ON ROADS AFFECTED BY DISCONTINUED TIER 3 RAIL LINES (QUESTION 4 b IV)



A

Urban Intersection Crash Sites - Project Description	2015/16 Project Allocation
Guildford Road/Tonkin Highway - Southbound on and off ramps (City of Bayswater) Install double right turn on Guildford Road turning north and south on Tonkin. Extend westbound turning lane on Guildford Road.	\$3,200,000
Marmion Avenue/Mullaloo Drive (City of Joondalup) Install roundabout.	\$1,800,000
Wanneroo Road/Hepburn Avenue (City of Wanneroo) Upgrade traffic signals to double diamond phase, install double right turns, add cycle lanes and improve pedestrian facilities.	\$4,450,000
Mitchell Freeway - Northbound on ramp at Wellington Street/George Street (City of Perth) Install mastarms and associated electrical works.	\$200,000
Guildford Road/Garratt Road (City of Bayswater) Extend right turn pocket on Guildford Road on west approach and left turn on Guildford east, remove filter.	\$100,000
Shepperton Road/Duncan Street (Town of Victoria Park) Extend right turn pockets on Shepperton Road, widen Duncan Street south approach, install left turn on Duncan Street, remove filter.	\$1,000,000
Morley Drive/Flinders Street (City of Stirling) Extend right and left turn approaches on Morley Drive, remove filter, improve pedestrian facilities.	\$1,000,000
Mitchell Freeway/Whitfords Avenue (City of Joondalup) Provide double right turns on both approaches of Whitfords Avenue, double left turns on both approaches of Mitchell Freeway off ramps, improve pedestrian facilities.	\$100,000
Concept and Design on six intersections	\$150,000
Various projects - funds re-programmed from 2014/15	-\$176,000



Run off Road Crash Sites - Project Description	2015/16 Project Allocation
Brookton Highway (Bridger Road Section) Widen existing seal and reconstruct shoulders to 1.0m sealed and 0.5m unsealed, install audible edge lines.	\$2,000,000
South Coast Highway (Albany to Willyung Section and Henry Street and Willyung Road) Widen existing seal and reconstruct shoulders to 1.0m sealed and 0.5m unsealed, install audible edge lines.	\$1,800,000
South Western Highway (Greenbushes section) Install wire rope or w-beam barrier at selected higher risk locations (tree and embankment risks).	\$500,000
South Western Highway (Broke Inlet to Deep River section) Improve clear zone and widen from 6.3m to 9.0m (incl 2 x 1.0m sealed shoulders) and provide painted edge line.	\$1,700,000
Donnybrook - Kojonup Road Widen and seal shoulders 1.0m wide, install audible edge lines, improve clear zone and install barriers at selected locations.	\$2,900,000
Caves Road (Cape Naturaliste Road to Yallingup Beach Road) Seal shoulders to 1.5m.	\$1,700,000
Lakelands - Lake Clifton Road (Bouvard to Lake Clifton) Install audible edge line.	\$130,000
North West Coastal Highway (North of Northampton) Widen and seal shoulders to 1.0m. Install audible edge lines.	\$1,800,000
Midlands Road (Three Springs to Dongara) Widen and seal shoulders to 1.0m. Install audible edge lines.	\$340,000
Great Northern Highway Widen and seal shoulders to 1.0m. Install audible edge lines.	\$1,900,000
Coolgardie-Esperance Highway Widen and seal shoulders to 1.0m and install audible edge lines.	\$2,300,000
Great Eastern Highway Widen and seal shoulders to 1.0m and install audible edge lines.	\$680,000
Victoria Highway Widen and seal shoulders (total seal width of 9.0m) including culvert extension and install audible edge line.	\$2,000,000
York-Merredin Road (Wheatbelt North Section) Seal shoulders to 1.0m and install audible edge lines.	\$4,400,000
Tooday Road (Wheatbelt Section) Seal shoulders to 1.0m and install audible edge lines.	\$150,000
Kwinana Freeway (Canning Highway to Mt Henry Bridge) Install safety barriers.	\$1,300,000
Mitchell Freeway (Reid Highway to Hepburn Road) Install safety barriers.	\$1,400,000
Toodyay Road (Noble Falls to Aspen Road) Widen and seal shoulders to 1.0m and install audible edge lines	\$3,000,000
Various projects - funds re-programmed from 2014/15	\$797,000

Safer Roads Sites - Project Description	2015/16 Project Allocation
Albany Highway (Norrish Road to Kojonup) Isolated pavement reconstruction and geometric improvements and seal 2 x 3.5m lanes and 2 x 1.0m sealed, and 2 x 1.0m unsealed shoulders (9.0m seal on 11.0m formation).	\$200,000
Albany Highway (Norrish Road to Kojonup) Isolated pavement reconstruction and geometric improvements and seal 2 x 3.5m lanes and 2 x 1.0m sealed, and 2 x 1.0m unsealed shoulders (9.0m seal on 11.0m formation).	\$2,200,000
Bussell Highway (Marbellup Road to North Jindong Road) Reconstruct and realign curve widen to 7.0m with 1.5m sealed shoulders with southbound passing lane (length actually 2.45km).	\$3,200,000
Bussell Highway (North Jindong Road to Carbanup) Reconstruct and widen to 7.0m with 1.5m sealed shoulders with northbound passing lane.	\$180,000
Bussell Highway (Carbanup - Wildwood Road) Widen to 7.0m with 1.5m sealed shoulders and construct a right turn treatment at Wildwood Road (requires widening of Carbanup River bridge No 530 - 5 spans of length 31.5m)	\$2,000,000
Bussell Highway (Bramley Forest Stage 3) Widen to 7.0m with 1.5m sealed shoulders with northbound passing lane and improve the Osmington Road intersection.	\$180,000
South Western Highway (Greenbushes North Stage 2) Widen to 7.0m with 1.0m sealed shoulders.	\$140,000
Pinjarra Williams Road (Marradong to Quindanning) Widen single lane seal 10.2km and widen seal 14.4km to give 7.0m seal width. Staged.	\$2,000,000
Donnybrook - Kojonup Road (Thompson Brook) Realign and improve reverse curve.	\$2,300,000
Collie Lake King Road (Collie to RA boundary) Widen and seal shoulders to 1.0m, including drainage improvements.	\$2,300,000
Indian Ocean Drive Recondition, pavement shoulder and seal from SLK 261.68 to 265.50.	\$1,000,000
Goldfields Highway (North of Kambalda) Construct an overtaking lane.	\$1,800,000
Albany Highway/Collie-Lake King Road (Arthur River) Improve road geometry, improve overtaking opportunity, upgrade intersection with Collie-Lake King Road.	\$100,000
Collie-Lake King Road (RA boundary to Bowelling Curves) Widen and seal shoulders to 1.0m, including drainage improvements.	\$700,000
Collie-Lake King Road (Gibbs Siding and Bowelling sections) Realign existing road and remove curves at two locations on Collie-Lake King Road.	\$7,100,000
York-Merredin Road Reconstruction and surface correction.	\$2,000,000
North West Coastal Highway (Karratha to Roebourne) Construct passing lane (south).	\$1,500,000
Toodyay Road (Noble Falls Road) Widening with the construction of a median to separate straight through, right turn and left turn movements on Toodyay Road east of Noble Falls Tavern with a new access on the southern side of Toodyay Road.	\$3,000,000
Toodyay Road (City of Swan) Intersections upgrade	\$100,000
Various projects - funds re-programmed from 2014/15	\$3,840,000

Bridges Program - Project Description

Roe Highway - Bridge 1148 over Helena River - Investigate activities; environmental assessment & controls; heritage survey; concrete durability testing; service relocation; design & documentation	\$2,750,000
Concept and Design for future works	\$250,000
Various projects - funds re-programmed from 2015/16	\$1,900,000