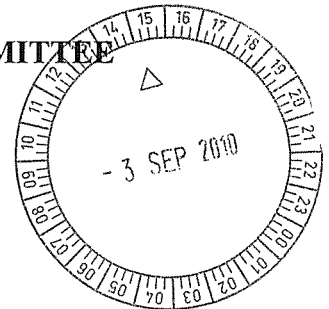


## ESTIMATES AND FINANCIAL OPERATIONS COMMITTEE

## SUPPLEMENTARY INFORMATION



Friday, 13 August 2010

**Ministry of Transport**

*Question No A1: Hon Ken Travers asked for each of the projects that are under the broad heading of the Gateway project, what is the estimated total cost; and, of that how much is currently listed in the budget?*

Answer:

The forward estimates contain a suite of projects along Tonkin Highway between Leach Highway and Roe Highway which form part of the Nation Building Program (formerly AusLink 2) funding commitment for the Perth Urban Corridor. Of the original \$700 million funding commitment made to the Perth Urban Corridor, \$177 million was allocated to six projects on Tonkin Highway being:

- Tonkin / Leach interchange
- Tonkin / Horrie Miller Drive / Kewdale interchange
- Tonkin / Abernethy interchange (on-ramp only)
- Tonkin / Roe interchange (minor improvements only)
- Tonkin Highway widening to 6 lanes (Leach to Roe)
- Tonkin Highway ITS

These projects were developed prior to Perth Airport announcing plans to consolidate all airport operations at the site of the current international terminal. Major changes to the future configurations of both Tonkin and Leach Highways, including the above interchanges, are now required to service the proposed new airport. The above projects (with the exception of the Abernethy on-ramp to Tonkin Highway) will be superseded by the proposed Gateway WA project.

Note that Main Roads propose to build the Abernethy on-ramp project over the period 2010/11 to 2011/12 at an estimated cost of \$16 million in advance of the Gateway WA project.

No work has been undertaken to revise the cost estimates or budgets for the remaining Tonkin Highway projects listed above since the original allocations were made in 2008 given that the scope of works is under review and expected to change significantly. Main Roads is currently in the process of rolling these funds into a single project allocation that will form part of the Gateway WA project.

## ESTIMATES AND FINANCIAL OPERATIONS COMMITTEE

### SUPPLEMENTARY INFORMATION

**Friday, 13 August 2010**

#### **Ministry of Transport**

*Question No A2: Hon Ken Travers and Hon Alison Xamon asked for the total cost of services (page 424), for each year listed in the service summary, and can the percentage of that total cost of service that is actually a Commonwealth contribution be provided. Also it was agreed that the calculation would not only include the forward estimates but also go back two years for comparison purposes.*

Answer:

From the Service Summary Table (\$'000)

Budget Year	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14
Cost of Services	1,356,680	1,368,005	1,214,545	1,293,071	1,379,880	1,464,868
Commonwealth	179,290	249,422	244,932	339,040	403,200	237,843
Commonwealth %	13.22%	18.23%	20.17%	26.22%	29.22%	16.24%

## ESTIMATES AND FINANCIAL OPERATIONS COMMITTEE

### SUPPLEMENTARY INFORMATION

**Friday, 13 August 2010**

**Ministry of Transport**

*Question No A3: Hon Ken Travers asked that the Minister provide the indicative cost of widening the Freeway north of Hepburn Avenue to Hodges Drive (a third lane in each direction).*

**Answer:**

It is estimated that it would cost in excess of \$95 million to widen the Mitchell Freeway between Hepburn Avenue and Hodges Drive by a third lane in each direction (in 2010 dollars).

## ESTIMATES AND FINANCIAL OPERATIONS COMMITTEE

### SUPPLEMENTARY INFORMATION

**Friday, 13 August 2010**

**Ministry of Transport**

*Question No A4: Hon Ken Travers and Hon Alison Xamon asked if any representations have been made to the Commonwealth with regard to funding for the Perth – Darwin Highway.*

Answer:

No formal request for funding for the Swan Valley Bypass has been made to the Commonwealth, however informally information on the project has been provided to the Federal Department of Infrastructure, Transport, Regional Development and Local Government to keep them informed on the issues and community interest concerning this project.

## ESTIMATES AND FINANCIAL OPERATIONS COMMITTEE

### SUPPLEMENTARY INFORMATION

**Friday, 13 August 2010**

**Ministry of Transport**

*Question No A5: Hon Alison Xamon asked the Minister to provide a breakdown of the programs and their costs for the \$27.969 million budget line item (Infrastructure for Community Access 2010-11 Budget Target).*

Answer:

#### **Infrastructure for Community Access (\$27.969M)**

<b>Project Description</b>	<b>2010/11 \$'000</b>
Hopetoun to Bremer Bay Road - Commence Construction of Stage 1, Hamersley Drive to Hamersley Inlet and Bremer Bay to Point Ann	10,000
Carnarvon Mullewa Road - Ongoing program to Construct and Seal road	3,100
Gibb River Road - Improve formation and gravel sheeting of road	2,726
Great Northern Highway - Bow River section, complete reconstruction	4,151
Remote Access Grants - Various locations	1,438
Great Central Road - Allocation to Shire of Laverton - Improve formation and gravel sheeting of road	1,000
Great Central Road - Allocation to Shire of Ngaanyatjaraku - Improve formation and gravel sheeting of road	1,000
Great Northern Highway - Design Bridge over Sally Downs Well Creek	870
Great Northern Highway - Telegraph Creek bridge - Finalise construction	857
Great Northern Highway - Fletchers Creek bridge - Finalise construction	627
Shire of Broome - Cape Leveque Rd - Various Improvements	417
Marble Bar Road - Floodway Improvement Works	235
Pinjarra Road - Barragup - Install Hand Railing to footpath on Barragup Bridge	230
Somerville Drive - Construct and Seal link to Robertson Drive	200
Greenough River bridge - Finalise construction	162
Metropolitan Region - Improve Pedestrian and Cycling Facilities	125
Metropolitan Region - Improve Principal Shared Path Lighting	100
Allocation of overhead charges to program	731
<b>Program Total</b>	<b>27,969</b>

## ESTIMATES AND FINANCIAL OPERATIONS COMMITTEE

### SUPPLEMENTARY INFORMATION

**Friday, 13 August 2010**

**Ministry of Transport**

*Question No A6: Hon Ljiljanna Ravlich asked the Minister to provide the Committee with information on the 2009-10 budget and the number of consultants used by Main Roads and how much they were paid for the duties they undertook.*

Answer:

The number of consultants used by Main Roads in 2009/10 is six.

The Budget amount was \$0.764 million.

Payments were \$0.574 million.

## ESTIMATES AND FINANCIAL OPERATIONS COMMITTEE

### SUPPLEMENTARY INFORMATION

**Friday, 13 August 2010**

#### **Ministry of Transport**

*Question No A7: Hon Ljiljanna Ravlich and Hon Ken Travers asked the Minister to provide the Committee with information on Metropolitan areas, regional areas and the names of the applicants for Black Spot funding. Could the Minister also identify the number of crashes in 2008-09 that occurred at each of those black spots for which funding was sought, and who applied and did not get Black Spot funding due to insufficient funds.*

*Also can the Minister indicate whether that \$7.883 million is for those who have missed out completely or those that have been put on the reserve list.*

Answer No A7: (EDRNS)

- **Provide the Committee with information on Metropolitan areas, Regional areas and the names of the applicants for Black Spot funding?**
  - Refer to attachments “Local Road Black Spot Program Schedule 2010-2011 – web version.pdf” and “State Road Black Spot Program Schedule 2010-2011 – web version.pdf” for all of the information and names relating to submissions received for the 2010/11 State Black Spot Program.



Local Road Black  
Spot Program Schedu



State Road Black  
Spot Program Schedu

- **Could the Minister also identify the numbers of crashes in 2008/09 that occurred at each of those black spots for which funding was sought, and who applied and did not get Black Spot funding due to insufficient funds?**
  - Refer to the attachment “Partially funded or reserve black spot projects for 2010/11.xls” for the number of crashes (2008 calendar year), who applied and did not get funded for the 2010/11 State Black Spot Program.



Partially funded or  
reserve black spot pi

- **Also can the Minister indicate whether that \$7.883 million is for those who have missed out completely or those that have been put on the reserve list?**

The listed projects represent all of the submissions received that qualified for consideration under the State Black Spot Program and they have been listed as reserve projects.



<p style="text-align: center;"><b>Approved</b> <b>2010/2011 State Black Spot Program</b> <b>Local Roads</b></p>										
No.	LOCAL GOVERNMENT	LOCATION	TREATMENT	RSA	BCR	LGA REQUEST FOR BLACK SPOT FUNDING \$	LGA CONTRIBUTION \$	TOTAL PROJECT COST	RECOMMENDED FUNDING in 2010/11	COMMENTS
<b>Gascoyne</b>										
1	Carnarvon	Speedway Rd SLK 0.00 - 0.700	Widen and extend seal	Y	N	40,000	20,000	60,000	40,000	RRG are aware they have they have not submitted applications for their total allocation
<b>Sub Total Gascoyne</b>						<b>40,000</b>	<b>\$20,000</b>	<b>\$60,000</b>	<b>\$40,000</b>	
<b>Goldfields - Esperance</b>										
1	Leonora	Old Agnew Rd SLK 42.9 - 46.4	Widen and seal floodway's and vegetation	Y	N	100,000	50,000	150,000	100,000	
2	Kalgoorlie Boulder	Yarri Rd SLK 0.155 to 45.00	Upgrade signs, Intersections and alignments	Y		147,500	73,750	221,250	147,500	
3	Kalgoorlie Boulder	Maxwell St/Speculation Rd	Install traffic Islands/turning lanes and reinforce priority	N	1.01	58,333	29,167	87,500	58,333	
4	Kalgoorlie Boulder	Piccadilly St/Chapple St	Install traffic signals	N	1.9	133,333	66,667	200,000	133,333	AIP Pending
5	Kalgoorlie Boulder	Lionel St/MacDonald St	Install nibs and traffic islands to reinforce priority	N	1.4	26,667	13,333	40,000	26,667	
6	Laverton	Great Central Rd SLK 45 - 48	Improve Formation and realign curves	Y	N	95,136	47,568	142,704	95,136	
7	Dundas	Norseman - Hyden Rd SLK 36.5 - 37.5	Improves sightlines, signage and increase pavement width	Y	N	38,250	19,260	57,510	38,250	
8	Esperance	Dalyup Rd/Loffler Rd	Widen and seal curve	Y	N	66,000	33,000	99,000	66,000	
9	Esperance	Merivale Rd	Crest and widening improvements	Y	N	66,000	33,000	99,000	66,000	
10	Menzies	Evanston - Menzies Rd SLK 116 - 119	Modify geometry to improve sight lines, Improve drainage and erect signing	Y	N	98,808	49,404	148,212	38,670	Reserve project (Stage 2) - Part funded -Stage 1 funded in 2009/10
<b>Sub Total Goldfields-Esperance</b>						<b>830,027</b>	<b>415,149</b>	<b>\$1,245,176</b>	<b>\$769,889</b>	
<b>Great Southern</b>										
1	Gnowangerup	Strathaven Rd/Richardson St/Broomehill-Jerramungup Rd	Repair and resurface intersection turnouts. Install warning signs, upgrade pavement markings, modify kerbing and improve street lighting	Y	N	37,000	18,500	55,500	37,000	
2	Albany	North Rd/Barnesby Rd	Construct roundabout.	Y	N	210,000	105,000	315,000	210,000	
3	Broomehill/Tambellup	Broomehill - Kojonup Rd/Nookanellup Rd	Change 4 way intersection to staggered "T" Junctions.	Y	N	26,600	13,300	39,900	26,600	
4	Denmark	Inlet Drive between Inlet Crs and Campbell Rd	Install pedestrian footpath behind guardrail to intersection with Campbell Road.	Y	N	26,304	13,152	39,456	26,304	
5	Cranbrook	Wingebellup Rd SLK 28.42 - 31.16	Widen seal to from 6.0m to 7.0m with 0.5m premix edging each side. Reconstruct/seal 6 significant driveways . Install separation lines from Kojonup-Frankland Road to Ferngrove Road.	Y	N	70,000	35,000	105,000	70,000	
6	Cranbrook	Wingebellup Road/Ferngrove Rd	Raise chevron sight board. Widen Ferngrove Rd approach and tapers improve warning signs.	Y	N	8,000	4,000	12,000	8,000	
7	Cranbrook	Frankland-Rocky Gully Rd/Racecourse	Realign left turn fishtail. Mark barrier. Install RRPm's. Widen side-road	Y	N	19,200	9,600	28,800	19,200	
8	Cranbrook	Cranbrook-Frankland Road/Yerimunup Rd	Cut minor crest and seal 210m on southern approach. Widen the formation and seal 8.0m wide on the curve and northern approach. Extend culverts and improve warning signs.	Y	N	56,000	28,000	84,000	56,000	
9	Albany	Lockyer Ave/Cockburn Rd	Install islands along Lockyer Ave to control access to and from properties.	Y	N	136,000	68,000	204,000	136,000	
10	Woodanilling	Orchard Rd/Cornwall Rd	Lower hump in Orchard Road by approximately one metre and replace existing signage.	Y	N	43,333	21,667	65,000	43,333	
11	Jerramungup	Borden - Bremer Bay Rd	Extend and replace headwalls on narrow culverts between Monjebup Road (SLK 0.00) and South Coast Hwy (SLK 14.98) including those at SLK 8.25, 8.88, 10.41, 11.50 and 12.82.	Y	N	26,000	13,000	39,000	26,000	
						46,563		46,563	46,563	
<b>Sub Total Great Southern</b>						<b>705,000</b>	<b>\$329,219</b>	<b>\$1,034,219</b>	<b>\$705,000</b>	
<b>Kimberley</b>										
1	Halls Creek	Duncan Rd - SLK 39.9 - 40.6	Widen Rd by excavation and infill . Install storm water pipes and improve approach gradient	Y	N	82,262	41,131	123,393	82,262	Part funded in 2009/10 - Balance of funds in 2010/11
2	Derby/West Kimberley	Clarendon St between Hardman St and Hensman St including intersection with Neville St	Install roundabout, new kerbing and install regulatory pavement markings on approach to roundabout. Redesign nib islands and parking bays to suit 45 degree parking to increase reversing sight visibility	Y	N	186,712	93,356	280,068	186,712	
<b>Sub Total Kimberley</b>						<b>268,974</b>	<b>\$134,487</b>	<b>\$403,461</b>	<b>\$268,974</b>	
<b>Mid West</b>										
1	Geraldton-Greenough	McCartney Rd/Evans Rd	Realignment of Intersection - Close old curved section of road and reconstruct cross road intersection with new signage.	Y	N	47,133	23,567	70,700	47,133	
2	Geraldton-Greenough	North West Coastal Hwy	Installation of Concrete Shared Use Pathway	Y	N	121,450	60,726	182,176	121,450	
3	Chapman Valley	Chapman Valley Rd/Mount Erin Rd	Re-configure Mt Erin Road to achieve a minimum 70" approach angle from Chapman Valley Road. Seal Mt Erin Rd approach to intersection. Upgrade signage. Formalise carparking to match new alignment.	Y	N	118,167	59,584	177,751	118,167	
4	Coorow	Coorow/Greenhead/Penn Rd	Seal 500m Penn Road. Construct a 650m sealed passing lane on the south side of Coorow/Greenhead Rd. Install new signage and culverts	Y	N	161,000	80,500	241,500	161,000	
5	Yalgoo	Great Northern Hwy Paynes Find (Ningham)	Upgrade signage on each approach to the intersection. Seal Ningham Road pavement and tapers for a distance of 150m and a width of 7m	Y	N	23,124	10,562	33,686	23,124	

**Approved  
2010/2011 State Black Spot Program  
Local Roads**

No.	LOCAL GOVERNMENT	LOCATION	TREATMENT	RSA	BCR	LGA REQUEST FOR BLACK SPOT FUNDING \$	LGA CONTRIBUTION \$	TOTAL PROJECT COST	RECOMMENDED FUNDING in 2010/11	COMMENTS
6	Geraldton-Greenough	DurlacherSt/Maitland St	Modify intersection by providing right turn pocket for south bound traffic turning right into Maitland St. Provide left turn pocket for north bound traffic on Durlacher St turning into Maitland. Also construct dedicated bike lanes and pedestrian facilities	Y	N	366,667	183,333	550,000		Reserve Project
7	Irwin	Point Leander Drive/George Street	Realign Pt Leander Drive. Relocate the power pole on the SW corner. Realign George Street to allow for a footpath and pram ramp on the SE corner. Relocate the carpark entrance, install hazard board on George St and improve delineation of intersection. Install directional arrows on entrance to carpark. Install street lighting and upgrade linemarking and signage.	Y	N	167,400	88,700	256,100		Reserve Project
8	Chapman Valley	Northampton Nabawa Road/Old Northampton Road	Reconfigure Old Northampton Road to achieve a minimum 70" approach from Northampton Nabawa Road . Construct formal floodway, widen culvert and seal Old Northampton Road back past Protheroe Road. Upgrade signage on each approach to the intersection.	Y	N	73,295	36,648	109,943		Reserve Project
9	Yalgoo	Great Northern Hwy/Maranalga Rd	Upgrade signage on each approach to the intersection. Seal Maranalga Rd pavement and tapers for a distance of 150m and a width of 7m	Y	N	23,124	11,562	34,686		Reserve Project
10	Yalgoo	Great Northern Hwy/Thundelarra Rd	Upgrade signage on each approach to the intersection. Seal Thundelarra Road pavement and tapers for a distance of 150m and a width of 7m.	Y	N	23,124	11,562	34,686		Reserve Project
11	Yalgoo	Great Northern Hwy/Paynes Find Sandstone Road	Upgrade signage on each approach to the intersection. Seal Paynes Find Sandstone pavement and tapers for a distance of 150m and a width of 7m.	Y	N	23,124	11,562	34,686		Reserve Project
Sub Total Mid West						1,147,608	\$578,306	\$1,725,914	\$470,874	
<b>Pilbara</b>										
1	East Pilbara	Kalgan Dve/Welsh Dve	Upgrade signing, lining, street lighting. Install pedestrian crossing, widen and relocate existing footpath. Install median island and widen road for right turn into Kalgan Dve	Y	N	163,332	81,666	244,998	163,332	
2	Port Hedland	Limpet Crs	Road widening, install kerbing, relocate services and improve signing and lining	N	1.26	233,334	116,666	350,000	233,334	
3	Ashburton	Second Ave /Third St	Increase intersection radii, repair road pavement, remove bollards and modify kerbing	Y	N	15,100	7,550	22,650		Reserve project
4	Ashburton	Third Ave /Third St	Increase intersection radii, install 1.5m footpath on LHS of third Ave between Third St and Cameron Ave	Y	N	58,300	29,150	87,450		Reserve project
5	Ashburton	Third Ave /Cameron Ave	Redesign and widen radii and repair road pavement	Y	N	9,051	4,525	13,576		Reserve project
6	Ashburton	Second Ave /Cameron Ave	Relocate power poles , modify intersection and upgrade signing	Y	N	32,213	16,107	48,320		Reserve project
7	Ashburton	Second Ave/Guliguru Way	Align intersection	Y	N	12,000	6,000	18,000		Reserve project
8	Ashburton	Second Ave/Beadon Creek Rd	Install street lighting, warning signs and line marking	Y	N	20,700	10,350	31,050		Reserve project
9	East Pilbara	Newman Dve/Kurra Rd/Hilditch Rd	Upgrade linemarking and signing. Upgrade street lighting to AS1158, install pedestrian crossing and replace damaged kerb	Y	N	123,334	61,666	185,000		Reserve project
10	Port Hedland	Pinga St/Cajarina Rd	Upgrade intersection to improve turning path for heavy vehicles, improve lighting, road marking and signs	Y	N	221,000	110,500	331,500		Reserve project
11	East Pilbara	Hilditch Ave between Newman Dve and Mindarra Dve	Improve linemarking, upgrade street lighting, improve barrier end treatments and car parking and access signage to be redesigned	Y	N	216,666	108,334	325,000		Reserve project
Sub Total Pilbara						1,105,030	\$552,514	\$1,657,544	\$396,666	
<b>Wheatbelt South</b>										
1	Lake Grace	Newdegate Ravensthorpe Rd/Old Newdegate Rd	Realign Old Newdegate Rd to form a T junction and upgrade signing and guide posts	Y	N	48,000	24,000	72,000	48,000	
2	Kondinin	Hyden Lake King Rd/Allen Rock Rd	Cut crest approaching intersection and widen intersection. Upgrade signing and seal	Y	N	118,667	59,333	178,000	118,667	
3	Kulin	101 East Gate Rd/Riseborough Rd	Upgrade intersection and reduce crest approaching intersection, upgrade signing and guide posts and seal intersection	Y	N	29,067	14,533	43,600	29,067	
4	Kulin	Kulin Rock Rd/Bailey Rd	Realign to form T junction, upgrade signing and seal junction and approaches	Y	N	16,000	8,000	24,000	16,000	
5	Lake Grace	Albany-Lake Grace Rd (South Rd)/Brookfield Rd	Realign Brookfield Rd to form a T junction and remove vegetation and seal	Y	N	26,000	13,000	39,000	26,000	
6	Kulin	Kulin - Dudinin Rd/Kukerin Rd/Bell Rd	Realign to form T junction, upgrade signing, drainage and guidepost and seal junction	Y	N	39,867	19,993	59,860	39,867	
7	Wagin	Behn - Ord Rd/Sutherland Rd	Realign to form T junction, upgrade signing and seal	Y	N	25,600	12,800	38,400	25,600	
8	Wagin	Beaufort Rd/Queerearrup Rd	Realign to form T junction, upgrade signing, drainage and guidepost and seal junction	Y	N	34,000	17,000	51,000	34,000	
9	Wagin	Bullock Hills Rd/Airfield Rd	Realign to form T junction, upgrade signing and seal	Y	N	58,100	29,050	87,150	58,100	
10	Lake Grace	Fourteen Mile Rd/Pelham Rd	Realign to form T junction and seal	Y	N	42,000	21,000	63,000	42,000	
11	Brookton	Wilkinson Rd/North Kweda Rd	Realign and improve angles on approaches	Y	N	15,136	7,568	22,704	15,136	
12	Narrogin	Narrakine Rd/Graham Rd West	Cut crest and widen intersection, seal and upgrade signing	Y	N	31,160	15,580	46,740	31,160	
13	Wickepin	Wickepin North Rd SLK 0.00-5.20	Widen Road and seal to 7m, upgrade culverts, reduce vegetation and upgrade signs and guideposts	Y	N	170,000	85,000	255,000		Reserve project
14	West Arthur	Arthur River - Dinninup Rd/Boyup Brook - Arthur Rd/ Glenorchy Rd	Realign curve and widen and reduce vegetation	Y	N	100,000	50,000	150,000		Reserve project
15	Brookton	Greig Rd/Mills Rd	Realign and improve angles to approaches	Y	N	6,666	3,334	10,000		Reserve project

**Approved  
2010/2011 State Black Spot Program  
Local Roads**

No.	LOCAL GOVERNMENT	LOCATION	TREATMENT	RSA	BCR	LGA REQUEST FOR BLACK SPOT FUNDING \$	LGA CONTRIBUTION \$	TOTAL PROJECT COST	RECOMMENDED FUNDING in 2010/11	COMMENTS
16	Wickepin	Line Rd SLK 17.20 - 17.60	Widen culvert structure and road, seal and upgrade delineation	Y	N	23,400	11,700	35,100		Reserve project
17	Williams	Quindanning - Darkan Rd SLK 7.70 - 9.70	Remove crest , widen and seal. Install guideposts	Y	N	99,245	49,623	148,868		Reserve project
18	Narrogin	Mellons Rd/Nottle Rd	Reduce crest, improve sight distance and realign	Y	N	23,578	11,879	35,457		Reserve project
<b>Sub Total Wheatbelt South</b>						<b>906,486</b>	<b>\$453,393</b>	<b>\$1,359,879</b>	<b>\$483,597</b>	
<b>Wheatbelt North</b>										
1	Moora	Wheat bin Rd SLK 0.00 - 0.64	Shift existing Rd onto its true alignment to clear existing speedway carpark	Y	N	79,120	39,560	118,680	16,120	Staged project \$63,000 funded in 2009/10
2	Mukinbudin	Kununoppin-Mukinbudin Rd/Nungarin North Rd	Upgrade existing 4 way intersection and upgrade signing	Y	N	134,200	67,100	201,300	83,742	Staged project \$50,458 funded in 2009/10
3	Goomalling	Northam - Pithara Rd/Patterson Rd	Construct T junction	Y	N	200,000	100,000	300,000	142,798	Staged project \$57,202 funded in 2009/10
4	Wongan-Ballidu	Yerecoin South east Rd/Martin Rd	Reconstruct vertical curve, widen shoulders and seal, upgrade signs and guideposts	Y	N	46,733	23,367	70,100	46,733	
5	Chittering	Chittering Rd - SLK 14.02	Widen to 7m, reduce vegetation, install linemarking and guide posts	Y	N	130,000	65,000	195,000	104,449	Staged project \$24,551 to be considered for funding in 2011/12
6	Merredin	Bruce Rock - Merredin Rd/Totadgin Hall Rd	Realign Totadgin Rd to form a T-junction, upgrade signing and delineation	Y	N	214,938	107,470	322,408	46,500	Staged project \$168,438 to be considered for funding in 2011/12
7	York	York-Tammin Rd	Install separation lines and increase number of guide posts	Y	N	8,533	4,267	12,800	8,533	
8	York	Spencers Brook Rd/Bland Rd/Eight Rd	Upgrade drainage, increase visibility, increase delineation, install kerbs and improve signage	Y	N	22,467	11,233	33,700	22,467	
9	York	Spencers Brook Rd/Avon Tce/Ninth Rd	Install centre lines and reflectors, extend head wall structure, improve sight lines, upgrade signage and guideposts	Y	N	19,867	9,933	29,800	19,867	
10	Mt Marshall	1. Cleary Rd/ Gabbin Rd/Welsh Rd. 2. Welsh East Rd/Cleary Rd/ Gabbin Rd. 3. Welsh East Rd/Bencubbin - Gabbin Rd	Realign intersections to form T junctions and seal all approaches	Y	N	86,200	43,100	129,300	86,200	
11	Cunderdin	Meckering-Dowerin Rd/Wilding Rd.	Realign to form T-junction, seal and upgrade signage	Y	N	59,388	29,694	89,082	59,388	
12	Moora	Roberts St	Install pedestrian nibs, signs and pavement markings	Y	N	19,044	9,522	28,566	19,044	
13	Moora	Coomberdale West Rd/Prices Rd	Realign Coomberdale West Rd with 450m radius curve to form T-junction	Y	N	98,530	49,265	147,795	24,159	Balance to be funded from unallocated funds
<b>Sub Total Wheatbelt North</b>						<b>1,119,020</b>	<b>\$559,511</b>	<b>\$1,678,531</b>	<b>\$680,000</b>	
<b>South West</b>										
1	Busselton	Yungarra Drive SLK 0.1 to 3.6	Install safety barrier, RRPM's, Advisory Speed signs and guide posts	N	7.07	45,493	22,747	68,240	45,493	
2	Waroona	Inverell Road SLK 0.0 to 2.0	Reconstruct and seal shoulders, remove vegetation, install advisory signs on curves, RRPM's and additional guideposts	N	3.40	140,000	70,000	210,000	140,000	
3	Waroona	James Road SLK 0.0 to 1.75	Reconstruct and seal shoulders, remove vegetation, install advisory signs on curves, RRPM's and additional guideposts	N	3.18	123,333	61,667	185,000	123,333	
4	Manjimup	Middleton Road SLK 5.0 to 10.0	Remove roadside hazards	N	2.73	40,000	20,000	60,000	40,000	
5	Manjimup	Wheatley Coast Road SLK 32.2 to 35.2	Correct superelevation on curve and remove roadside vegetation	N	2.42	80,000	40,000	120,000	80,000	
6	Harvey	Myalup Beach Road SLK 0.0 to 3.0	Remove roadside vegetation, install RRPM's and additional guideposts	N	2.41	20,000	10,000	30,000	20,000	
7	Harvey	Wellesley North Road SLK 3.0 to 8.0	Recondition shoulders, remove roadside vegetation, install advisory signs and additional guide posts	N	2.34	44,000	22,000	66,000	44,000	
8	Dardanup	Moore Road SLK 0.1 to 4.1	Recondition shoulders and drains, remove roadside vegetation, install advisory signs on curves, RRPM's and additional guide posts	N	2.32	50,000	25,000	75,000	50,000	
9	Collie	Wellington Dam Road SLK 4.0 to 8.0	Seal shoulders, remove roadside vegetation, improve drainage and install advisory signs on curves, edgelines, RRPM's and additional guide posts	N	2.31	233,334	116,666	350,000	233,334	
10	Collie	Harris River Road SLK 2.0 to 7.0	Remove roadside vegetation, install advisory signs on curves, RRPM's and additional guideposts	N	2.29	37,334	18,666	56,000	37,334	
11	Harvey	Marriot Road SLK 0.5 to 6.5	Recondition shoulders and pavement, remove roadside vegetation, install RRPM's advisory signs and additional guide posts	N	2.17	60,000	30,000	90,000	60,000	
12	Collie	Patstone Road SLK 1.0 to 4.0	Seal shoulders, remove roadside vegetation, improve drainage and install advisory signs on curves, edgelines, RRPM's and additional guide posts	N	2.13	200,000	100,000	300,000	200,000	
13	Busselton	Chapman Hill Road SLK 0.27 to 5.19	Construct and seal shoulders, install edgelines RRPM's and additional	N	2.13	348,983	174,492	523,475	111,506	Staged project balance to be considered for funding in 2011/12
14	Manjimup	Ispen Street Sommerville Street Intersection	Install pre deflection nibs to single lane roundabout	N	2.12	30,000	15,000	45,000		Reserve project
15	Harvey	Forestry Road SLK 8.43 to 11.42	Construct and seal shoulders, install advisory signs, edgelines, RRPM's and additional guideposts	N	2.01	140,000	70,000	210,000		Reserve project
16	Busselton	Gibb Road SLK 0.01 to 1.25	Seal Gravel Road 5.5m wide	N	1.90	170,100	85,050	255,150		Reserve project
17	Busselton	Mewett Road SLK 0.02 to 2.12	Seal Gravel Road 5.5m wide	N	1.82	276,735	138,368	415,103		Reserve project
18	Dardanup	Joshua Brook Road SLK 3.7 to 5.7	Construct and seal 6.0m wide, remove roadside vegetation and install RRPM's and additional guide posts	N	1.12	200,000	100,000	300,000		Reserve project
19	Boddington	Bannister Marradong Farmers Rd Intersection	Realign Y junction to T Intersection, Remove road side hazards and upgrade existing street lighting	Y	0.00	140,000	70,000	210,000		Reserve project
<b>Sub Total South West</b>						<b>2,379,312</b>	<b>\$1,189,656</b>	<b>\$3,568,968</b>	<b>\$1,185,000</b>	
<b>Sub Total Rural Regions</b>						<b>8,501,457</b>	<b>\$4,232,235</b>	<b>\$12,733,692</b>	<b>\$5,000,000</b>	

**Approved  
2010/2011 State Black Spot Program  
Local Roads**

No.	LOCAL GOVERNMENT	LOCATION	TREATMENT	RSA	BCR	LGA REQUEST FOR BLACK SPOT FUNDING \$	LGA CONTRIBUTION \$	TOTAL PROJECT COST	RECOMMENDED FUNDING in 2010/11	COMMENTS
<b>Metropolitan</b>										
1	Joondalup	Joondalup Dve/Shenton Ave	Modify Traffic signals - Install LED lanterns	N	7.75	42,272	21,136	63,408	42,272	
2	Joondalup	Marmion Ave/Hodges Dve	Modify Traffic signals - Install LED lanterns	N	5.45	35,333	16,667	52,000	35,333	
3	Perth	Wellington St/Hill St/Goderich St	Modify Traffic signals - Install LED lanterns	N	3.64	35,048	17,524	52,572	35,048	
4	Armadale	Canning Rd SLK 0.56 - 2.08	Install Edge lines	N	3.56	26,000	13,000	39,000	26,000	
5	Subiaco	Roberts Rd/Haydon Bunton Dve/Townshend Rd	Lengthen left slip lane Reduce Radius on left turn	N	3.45	60,000	30,000	90,000	60,000	
6	Wanneroo	Gnangara Rd/Sydney Rd	Widen Sydney Rd on the approach to the intersection	N	3.29	14,000	7,000	21,000	14,000	
7	Armadale	Wungong Rd SLK 0.3 - 2.38	Install edge line	N	3.15	28,000	14,000	42,000	28,000	
8	Subiaco	Townshend Rd/Churchill aver	Install Roundabout	N	3.10	100,000	50,000	150,000	100,000	
9	Cambridge	Grantham St/Pangbourne St	Install intersection islands in Pangbourne (south) Reinforce Priority with central sign - consider change to Stop as part of detailed design	N	3.06	14,000	7,000	21,000	14,000	
10	Joondalup	Marmion Ave/Seacrest Dve	Extend right and left turn pockets	N	3.05	43,333	21,667	65,000	43,333	
11	Armadale	Wungong Rd SLK 0.5 - 1.62	Upgrade lighting to AS1158 V Category	N	2.92	50,000	25,000	75,000	50,000	
12	Gosnells	Stalker Rd/Terence St	Upgrade existing road lighting to AS1158	N	2.91	20,000	10,000	30,000	20,000	
13	Kalamunda	Canning Rd/Pickering Brook Rd	Modify intersection	N	2.80	23,000	11,500	34,500	23,000	
14	Claremont	Bay View Tce/Stirling Hwy	Modify Traffic signals - Install LED lanterns	N	2.74	26,667	13,334	40,001	26,667	
15	Canning	Ellam St/Welshpool Rd	Improve/Reinforce Priority Stop Sign and install Median Island	N	2.72	22,000	11,000	33,000	22,000	
16	Cambridge	Herdsmen Pde/Ellerby St/Jon Saunders Dve	Install LED lights Reduce radius on left turn slip lane (east approach)	N	2.67	60,000	30,000	90,000	60,000	
17	Melville	Zenobia St/Adrian St	Install roundabout	N	2.55	100,000	50,000	150,000	100,000	
18	South Perth	Manning Rd/Centenary Ave	Install anti skid treatment	N	2.55	33,333	16,667	50,000	33,333	
19	Canning	Norman St/Welshpool Rd	Improve/Reinforce Priority Stop Sign and install Median Island	N	2.50	22,000	11,000	33,000	22,000	
20	Canning	High Rd/Riley Rd/Milleri Dve	Modify traffic signals with right turn arrows, protected right turn Lane and left turn Pocket	N	2.48	220,000	110,000	330,000	220,000	
21	Cottesloe	Railway St/Napoleon St	Install Speed Platforms in Railway St on both approaches	N	2.47	20,000	10,000	30,000	20,000	
22	Nedlands	Underwood Ave/Brockway Rd/Brookdale St	Modify traffic signals Install LED lights Install left turn slip lane in North and East legs	N	2.46	126,000	63,000	189,000	126,000	
23	Armadale	Railway Ave, Stretch Ave/ Railway crossing Part 3	Install painted right turn pocket Install median island on south approach Install LT lane	N	2.33	32,000	16,000	48,000	32,000	
24	Claremont	Stirling Rd/Queenslea Dve/Stirling Hwy	Modify traffic signals to LED Lanterns	N	2.33	33,333	16,667	50,000	33,333	
25	Subiaco	Rokeby Rd/Hamersley Rd	Install Roundabout	N	2.33	120,000	60,000	180,000	120,000	
26	Fremantle	South St/McCoombe Ave	Construct traffic signals with right turn phase	N	2.28	200,000	100,000	300,000	200,000	
27	Gosnells	Ovens Rd/Forest Lakes Dve	Upgrade existing road lighting to AS1158	N	2.28	16,000	8,000	24,000	16,000	
28	Cottesloe	Broome St/Grant St	Install Pre-deflection in Grant St	N	2.26	30,000	15,000	45,000	30,000	
29	Subiaco	Churchill Ave/Axon St	Install mini Roundabout	N	2.25	50,000	25,000	75,000	50,000	
30	Melville	Archibald Rd	Install new lighting on existing power poles where night time crashes have occurred. Install pedestrian refuge islands	N	2.25	166,667	83,333	250,000	166,667	
31	Cambridge	Perry Lakes Drive/Oceanic Dve	Improve sight distance by clearing verge - remove 3 large pines	N	2.19	6,000	3,000	9,000	6,000	
32	South Perth	Labourchere Rd/Preston St	Pre-deflection to single lane roundabout	N	2.19	30,000	15,000	45,000	30,000	
33	South Perth	Coode St/Preston St	Pre-deflection to existing roundabout	N	2.15	53,333	26,667	80,000	53,333	
34	Gosnells	Kenwick Rd/Belmont Rd	Upgrade existing road lighting to AS1158	N	2.13	20,000	10,000	30,000	20,000	
35	Kalamunda	Gooseberry Hill Rd/Watsonia Rd	Install pre deflection nibs	N	2.13	26,667	13,333	40,000	26,667	
36	Stirling	John St/Eighth Ave	Install medians and improve priority signs	N	2.06	26,000	13,000	39,000	26,000	
37	Stirling	Koorda St/Ardross Crs/Mardella St	Install medians and improve priority signs	N	2.06	18,000	9,000	27,000	18,000	
38	Armadale	Champion Drive/Gillam St	Install pre-deflection of Gillam Street (east approach)	N	2.05	32,000	16,000	48,000	32,000	
39	Swan	Camboon Rd/Truganina St	Install roundabout	N	2.04	250,000	125,000	375,000	250,000	
40	Armadale	Canning Mills Rd SLK 0.88 - 3.01	Upgrade lighting to AS1156 Category V (ie lighting at intersections and curves	N	2.01	40,000	20,000	60,000	40,000	
41	Gosnells	Corfield St/Verna St	Upgrade existing road lighting to AS1158	N	2.01	20,000	10,000	30,000	20,000	
42	Victoria Park	Oats St/Swansea St East	Ban right turns (physical barrier eg, islands)	N	1.99	46,667	23,333	70,000	46,667	
43	Armadale	Neilson Ave/Forrest Rd	Install median island	N	1.97	14,000	7,000	21,000	14,000	
44	Armadale	Westfield Rd SLK 0.06 - 2.69	Upgrade lighting to AS1158	N	1.95	82,000	41,000	123,000	82,000	
45	Swan	Neaves Rd/ Muchea South Rd	Install indented left turn slip (give way, stop or signal control) Painted right turn lane Improve/reinforce priority signs	N	1.93	46,000	23,000	69,000	46,000	
46	Cockburn	Spearwood Ave/Wellard St	Install left turn lane on Wellard Street with 70 degree splitter island. Install giveaway/stop signs on new splitter island and on verge and median in Wellard Street	N	1.90	48,000	24,000	72,000	48,000	
47	Subiaco	Hackett Drive/Uni Entry (Hackett entrance 2)	Install Roundabout	N	1.90	140,000	70,000	210,000	140,000	
48	Subiaco	Park Rd/Hampden Rd	Install Roundabout	N	1.87	120,000	60,000	180,000	120,000	
49	Melville	Sleat St/Helm St	Install median island to reinforce stop control	N	1.85	33,333	16,667	50,000	33,333	
50	Belmont	Kewdale Rd/Abernathy Rd	Install Overhead Mast Arms	N	1.83	80,000	40,000	120,000	80,000	
51	Canning	High Rd/Metcalf Rd	Modify traffic signals with right turn arrows, protected right lane and left turn Pocket	N	1.81	220,000	110,000	330,000	220,000	

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52	Armadale	Railway Avenue/Champion Dve	Install pre-deflection of Champion Drive (west approach)	N	1.80	34,000	17,000	51,000	34,000	
53	Subiaco	Nicholson Rd/Herbert Rd	Install traffic islands in Herbert Street Reinforce priority of intersection	N	1.78	20,000	10,000	30,000	20,000	
54	Canning	Station St North/Redcliffe St	Construct roundabout	N	1.77	90,000	45,000	135,000	90,000	
55	Nedlands	Stirling Highway/Broadway/Hampden Rd	Modify traffic signals to LED lanterns Additional/protected left turn lane into Broadway Ban parking in Broadway Painted RT lane in Hampden	N	1.74	136,000	68,000	204,000	136,000	
56	Swan	Beach Rd/Oxleigh Dve	Skid Resistant Treatment	N	1.73	33,333	16,667	50,000	33,333	
57	Swan	Bishop Rd/Lloyd/St	Install indented left turn slip (give way, stop or signal control) Improve/reinforce priority signs eg STOP	N	1.71	42,000	21,000	63,000	42,000	
58	Subiaco	Bagot Road/Hensman Rd	Install traffic island in Hensman Reinforce priority of intersection	N	1.68	20,000	10,000	30,000	20,000	
59	Armadale	Challis Rd/Seville Dve	Install roundabout	N	1.67	70,000	35,000	105,000	70,000	
60	Armadale	Seville Drive/Poad St/Salamanca Bvd	Pre-deflection on Seville Drive (south approach)	N	1.66	34,000	17,000	51,000	34,000	
61	Gosnells	Huntingdale Rd/Harpenden St	Upgrade existing road lighting to AS1158	N	1.65	16,000	8,000	24,000	16,000	
62	Subiaco	Fairway/Clark St	Install traffic island in Clark Street Reinforce priority of intersection	N	1.64	10,000	5,000	15,000	10,000	
63	Cambridge	Cambridge St/St Leonards Ave	Install intersection islands in St Leonards Reinforce priority	N	1.63	28,000	14,000	42,000	28,000	
64	Melville	Winnacott St/Arkwel St	Install median islands	N	1.61	33,333	16,667	50,000	33,333	
65	Nedlands	Gugeri Street/Railway Rd/Loch St	Construct Seagull island in median Construct right turn lane in Gugeri St Construct left turn lane in Railway Rd	N	1.60	66,000	33,000	99,000	66,000	
66	Nedlands	Hampden Rd/Gordon St	Install intersection island in Gordon Street and reinforce priority	N	1.60	16,000	8,000	24,000	16,000	
67	Belmont	Fulham St/Surrey Rd	Install Roundabout	N	1.59	86,667	43,333	130,000	86,667	
68	Stirling	Main St/Amelia St	Modify traffic signals, install LED lanterns	N	1.57	50,000	25,000	75,000	50,000	
69	Armadale	Railway Ave, Streitch Ave/Railway Crossing Part 2 (Stand alone project)	Install protected right turn pocket Install median island on north approach	N	1.55	40,000	20,000	60,000	40,000	
70	Gosnells	Burslem Drive/Olga Rd	Install pre-deflection nibs at existing single lane roundabout	N	1.54	26,000	13,000	39,000	26,000	
71	Joondalup	Oceanside Prom - Mullaloo Dve to Warren Ave	Install medians with pedestrian facilities	Y	N	253,333	126,667	380,000	253,333	
72	Joondalup	Blue Mountain Dve - Nanika Circle to Bodensee Green	Install medians	Y	N	64,667	32,333	97,000	64,667	
73	Armadale	Railway Ave, Streitch Ave/Railway Crossing Part 1 (Stand alone project)	Install protected right turn pockets Install median islands Install left turn lanes	Y	N	80,000	40,000	120,000	80,000	
74	Melville	Risley St/Drew Rd	Remove power pole, construct right turn lane and extend existing right turn lane	Y	N	286,667	143,333	430,000	286,667	
75	Gosnells	Albany Highway/Gosnells Rd West	Construct traffic signals with Right Turn arrows (without filter) and upgrade existing street lights to AS 1158	Y	N	60,000	30,000	90,000	60,000	Design costs only . Balance of \$340K to be considered in 2011/12
76	Perth	Lord St/Moore St/Wittenoom St	Modify traffic signals install Overhead mast arms and upgrade pedestrian facilities	Y	N	78,173	39,087	117,260	78,173	
77	Joondalup	Craigie Dr/Haddington St	Construct roundabout	Y	N	136,333	68,167	204,500	136,333	
78	Fremantle	Winterfold Rd/Letchford St/Locket St	Install Roundabout and modify intersection	Y	N	233,333	116,667	350,000	68,508	Part funded.
79	Wanneroo	Marmion Ave/Hughie Edwards Dve	Install protected left turn lane in Hughie Edwards Dr and seagull island at the intersection of Marmion Ave and Hughie Edwards Dr	N	1.54	60,000	30,000	90,000		Reserve Project
80	Nedlands	Brockway Rd/Lemnos St	Install left turn lane in Lemnos reduce radius - construct 70 degree island	N	1.53	58,000	29,000	87,000		Reserve Project
81	Bassendean	Ida Street/Broadway	Intersection modification: - Traffic median islands on approaches (on Ida St approaches) - Improve/reinforce priority sign	N	1.52	35,333	17,667	53,000		Reserve Project
82	Gosnells	Ovens Rd/Discovery Dve	Upgrade existing road lighting to AS1158	N	1.51	12,000	6,000	18,000		Reserve Project
83	Gosnells	Dorothy St/Eudoria St	Upgrade existing road lighting to AS1158	N	1.50	10,000	5,000	15,000		Reserve Project
84	Nedlands	Railway Rd/Aberdare Rd/Shenton Park Busway	Modify traffic signals Install LED lights Install left turn slip lane in Aberdare Rd	N	1.49	80,000	40,000	120,000		Reserve Project
85	Subiaco	Monash Ave/Hospital Ave	Install Roundabout	N	1.49	60,000	30,000	90,000		Reserve Project
86	Cambridge	Selby St/Herdsman Pde	Install protected right turn pocket Seagull island in median	N	1.48	56,000	28,000	84,000		Reserve Project
87	Vincent	Scarborough Beach Rd /London St /Loftus St	Modify traffic signals, install right turn arrows (without filter) on both Loftus and London St approaches. Install LED signal aspects.	N	1.48	176,333	88,167	264,500		Reserve Project
88	Swan	Beach Rd/Crocker Dve	Apply Skid Resistant Treatment	N	1.48	34,667	17,333	52,000		Reserve Project
89	Gosnells	Spencer Rd/Selby Rd	Install protected right turn lane and improve/reinforce priority	N	1.46	30,000	15,000	45,000		Reserve Project
90	Cottesloe	Eric St/Railway St	Install Pre-deflection in Railway Ave and Upgrade Street Lighting	N	1.44	80,000	40,000	120,000		Reserve Project
91	Gosnells	Yale Rd/Murdoch Rd	Install roundabout & upgrade lighting	N	1.44	420,000	210,000	630,000		Reserve Project
92	Gosnells	Dorothy Street/Wheatley St	Construct traffic signals with right turn arrows (without filter) and upgrade existing road lighting to AS 1158	N	1.43	400,000	200,000	600,000		Reserve Project
93	Cambridge	The Boulevard/Selby St	Modify traffic signals with LED lanterns	N	1.42	24,000	12,000	36,000		Reserve Project
94	Cambridge	Kimberley St/Railway Pde	Install roundabout Upgrade Lighting	N	1.41	133,333	66,667	200,000		Reserve Project

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95	Vincent	Norfolk St/Raglan Rd	Reinforce Stop Priority by installing medians on the Raglan Rd approaches. Improve sight lines by banning parking.	N	1.41	50,000	25,000	75,000		Reserve Project
96	Cockburn	Spearwood Ave/Doolett St	Install pre-deflection on all approaches	N	1.36	66,667	13,333	80,000		Reserve Project
97	Armadale	River Rd/Rundle St	Install intersection island in Rundle Reinforce priority with Give Way line and sign	N	1.31	6,000	3,000	9,000		Reserve Project
98	Nedlands	Monash Ave/Hampden	Upgrade lighting to AS1158	N	1.30	8,000	4,000	12,000		Reserve Project
99	Gosnells	Ovens Rd SLK 0.10 - 0.90	Install pedestrian refuge median island on existing road and bus embayments and upgrade existing footpath to shared path and upgrade existing street lighting	N	1.26	460,000	230,000	690,000		Reserve Project
100	Gosnells	Connell Ave SLK 0.84 - 1.00	Install median island on existing road and upgrade existing street lighting to As 1158	N	1.22	120,000	60,000	180,000		Reserve Project
101	Subiaco	Nicholson Rd/Derby Rd	Upgrade Lighting to AS 1158	N	1.22	10,000	5,000	15,000		Reserve Project
102	Bassendean	Collier Rd/Iolanthe St	Skid Resistant Treatment to Northern approach	N	1.11	8,667	4,333	13,000		Reserve Project
103	Wanneroo	Gnangara Rd (SLK's 1.79 to 2.47 and 2.90 to 3.57)	Upgrade street lighting to AS1158	N	1.11	133,333	66,667	200,000		Reserve Project
104	Victoria Park	Duncan St/Kitchener Ave/Albany Hwy	Installation of median	N	1.10	93,333	46,667	140,000		Reserve Project
105	Kalamunda	Welshpool Rd East/Lewis Rd	Construct seagull in median and a median acceleration lane	N	1.08	80,000	40,000	120,000		Reserve Project
106	Kalamunda	Canning Rd/Recreation Rd	Constuct painted right turn lane indented right turn island	N	1.07	23,800	11,900	35,700		Reserve Project
107	Subiaco	Onslow Rd/Derby Rd	Upgrade Lighting to AS 1158	N	1.06	8,000	4,000	12,000		Reserve Project
D10#7386 Projects submitted 203						<b>Sub Total Metropolitan</b>	<b>7,902,291</b>	<b>3,930,142</b>	<b>11,832,433</b>	<b>5,000,000</b>
						<b>GRAND TOTAL</b>	<b>16,403,748</b>	<b>\$8,162,377</b>	<b>\$24,566,125</b>	<b>\$10,000,000</b>



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<b>Gascoyne</b>								
1	Carnarvon	NWCH/Speedway Rd	Reconstruct intersection to cater for road trains. Reconstruct crossover to roadhouse, install pavement marking, upgrade signing and lighting	Y	N	507,135	342,000	Part funded
<b>Sub Total Gascoyne</b>						<b>\$507,135</b>	<b>\$342,000</b>	
<b>Goldfields-Esperance</b>								
1	Esperance	South Coast Rd/Shark Lake Rd	Improve intersection to cater for road trains, apply asphalt and upgrade signing and pavement marking	Y	N	375,000	375,000	
<b>Sub Total Goldfields-Esperance</b>						<b>\$375,000</b>	<b>\$375,000</b>	
<b>Great Southern</b>								
1	Albany	South Coast Hwy/Bon Accord Rd	Install an auxiliary right turn treatment and improve channelisation	Y	N	375,000	375,000	Waiting for RSA
<b>Sub Total Great Southern</b>						<b>\$375,000</b>	<b>\$375,000</b>	
<b>Kimberley</b>								
1	Derby/West Kimberley	GNH Various sections SLK 2160 - 2306	Install 76 KM of audible edge line	N	12.79	230,000	230,000	See PATS 200900569
2	Wyndham/East Kimberley	Gibb River Rd SLK 590 - 647	Seal a section up to 1.5km long to allow for safe passing opportunity	Y	N	300,000	300,000	See PATS 200900570
3	Broome	GNH - Various sections SLK 1894 - 2160	Install 70 KM of audible edge line	N	5.9	215,000		Reserve Project
<b>Sub Total Kimberley</b>						<b>\$745,000</b>	<b>\$530,000</b>	
<b>Mid West</b>								
1	Shire of Mullewa	Wubin - Mullewa Rd SLK 184.1 - 185.5	Widen road reserve ,extend culvert headwalls, widen carriageway and seal	Y	N	293,000	293,000	Stage 2 . \$267K funded in 09/10
<b>Sub Total Mid West</b>						<b>\$293,000</b>	<b>\$293,000</b>	
<b>Pilbara</b>								
1	Roebourne	NWCH/Dampier Hwy	Remove concrete apron, widen pavement and seal, construct new concrete apron, relocate lights.	Y	N	270,000	270,000	
2	East Pilbara	Marble Bar Rd SLK 289.50	Install 2 sealed truck parking bays. Install signs and lines. 1m embankments. 1:4 batters and 300mm pavement	Y		200,000	200,000	Balance to be funded by NSIP
<b>Sub Total Pilbara</b>						<b>\$470,000</b>	<b>\$470,000</b>	
<b>Wheatbelt South</b>								
1	Wandering/Boddington/Williams	Albany Hwy SLK 51 - 144	Remove vegetation within the clear zone	Y	N	465,000	465,000	
2	Wandering/Boddington/Williams	Albany Hwy SLK 158.70 - 215.19	Install audible centre line	Y	N	110,000	110,000	
3	Wickepin	Narrogin - Kondinin Rd	Remove vegetation , widen the pavement and install edge lines	Y	N	420,000		Reserve Project
4	Lake Grace	Brookton Hwy Various between SLK 436.00 - 470.44	Widen and install edgelines	Y	N	\$400,000		Reserve Project
<b>Sub Total Wheatbelt South</b>						<b>\$1,395,000</b>	<b>\$575,000</b>	
<b>Wheatbelt North</b>								
1	Northam	Chidlow - York Rd SLK 2.57 - 46.02	Install RRPM's, audible edge lines, skid resistant surfacing, sign and deliniation improvements	Y	N	250000	250000	
3	Northam	Northam - Pithara/Patterson Link Rd	Realign Northam - Pithara Rd, shoulder widening and sight distance improvement with realigned single leg of Patterson Rd	Y	N	100,000	100,000	
4	Chittering	Bindoon - Moora Rd SLK 16.0 - 17.6	Install RRPM's, audible edge lines, skid resistant surfacing, sign and delinitation improvements	N	1.49	120,000	120,000	
5	Gin Gin	Indian Ocean Dve SLK 33 - 34	Widen and seal shoulder, relocate access to rest area, remove roadside hazards and install audible edgelines	Y	N	280,000	200,000	Part 1 . Balance to be funded 2011/12
<b>Sub Total Wheatbelt North</b>						<b>\$750,000</b>	<b>\$670,000</b>	
<b>South West</b>								
1	Shire of Murray	Pinjarra Rd/Husband Rd/Ronlyn Rd	Construct traffic signals	N	1.61	970,000	970,000	Balance of project. \$330K funded in 2009/10
2	Shire of Murray	Pinjarra Rd/Greenwood Way	Install right lane from Pinjarra Rd into Greenwood Way	Y	N	150,000	150,000	
3	Shire of Murray	Pinjarra Rd SLK 7.80 and 8.38	Install right lanes from Pinjarra Rd eastbound at both median openings	Y	N	250,000	250,000	
<b>Sub Total South West</b>						<b>1,370,000</b>	<b>\$1,370,000</b>	
<b>Rural Region Sub Total</b>						<b>\$6,280,135</b>	<b>\$5,000,000</b>	
<b>Metropolitan</b>								
1	Canning	Orrong Rd/ Pilbara St	Install traffic signals	N	1.5	900,000	900,000	Completes project.
2	Nedlands/Cottesloe	Claremont to Swanbourne PSP	Provision of lighting	Y	N	400,000	400,000	Completes project
3	Stirling	North Beach Rd/ Karrinyup Rd	Remove right turn filter and extend right lane at North Beach Rd	Y	N	1,000,000	1,000,000	Completes project
4	Bayswater	Morley Dve/ McGilvray Ave	Lower crest on eastbound approach on Morley Dve	Y	N	750,000	750,000	Part funded \$1.050M required in 2011/12
5	Bayswater	Morley Dve/ Tonkin Hwy	Intersection improvements	Y	N	500,000	500,000	Part funded \$700K required in 2011/12

Approved  
2010/2011 State Black Spot Program  
State Roads

No.	LOCAL GOVERNMENT	LOCATION	TREATMENT	RSA	BCR	PROJECT COST IN 10/11 \$	RECOMMENDED FUNDING \$	COMMENTS
6	Armadale	Armadale /Warton Rd	Install traffic signals	N	3.57	900,000	900,000	
7	Armadale	Brookton Hwy/Peet Rd	Intersection modifications to improve sightlines	Y	N	400,000	400,000	Completes project
8	Melville	Kwinana Fwy/Leach Hwy	Widen to provide additional left turn lane	Y	N	100,000	100,000	Design only \$300K required in2011/12
9		City West PSP	Resolve conflict zone	Y	N	50,000	50,000	Design only \$150K required in2011/12
Sub Total Metropolitan						\$5,000,000	\$5,000,000	
D10#7386								
Projects submitted						GRAND TOTAL	\$11,280,135	\$10,000,000



<p style="text-align: center;">Approved 2010/2011 State Black Spot Program Local Roads Projects not funded or partly funded</p>									
No.	LOCAL GOVERNMENT	LOCATION	TREATMENT	NUMBER OF CRASHES IN 2008	LGA REQUEST FOR BLACK SPOT FUNDING \$	LGA CONTRIBUTION \$	TOTAL PROJECT COST	RECOMMENDED FUNDING in 2010/11	COMMENTS
<b>Goldfields - Esperance</b>									
1	Menzies	Evanston - Menzies Rd SLK 116 - 119	Modify geometry to improve sight lines, Improve drainage and erect signing	Nil	98,808	49,404	148,212	38,670	(Stage 2) - Part funded -Stage 1 funded in 2009/10
<b>Sub Total Goldfields-Esperance</b>					<b>98,808</b>	<b>49,404</b>	<b>\$148,212</b>	<b>\$38,670</b>	
<b>Mid West</b>									
1	Chapman Valley	Northampton Nabawa Road/Old Northampton Road	Reconfigure Old Northampton Road to achieve a minimum 70" approach from Northampton Nabawa Road . Construct formal floodway, widen culvert and seal Old Northampton Road back past Protheroe Road. Upgrade signage on each approach to the intersection.	Nil	73,295	36,648	109,943		Reserve Project
3	Geraldton-Greenough	DurlacherSt/Maitland St	Modify intersection by providing right turn pocket for south bound traffic turning right into Maitland St. Provide left turn pocket for north bound traffic on Durclacher St turning into Maitland. Also construct dedicated bike lanes and pedestrian facilities	Nil	366,667	183,333	550,000		Reserve Project
2	Irwin	Point Leander Drive/George Street	Realign Pt Leander Drive. Relocate the power pole on the SW corner. Realign George Street to allow for a footpath and pram ramp on the SE corner. Relocate the carpark entrance, install hazard board on George St and improve delineation of intersection. Install directional arrows on entrance to carpark. Install street lighting and upgrade linemarking and signage.	Nil	167,400	88,700	256,100		Reserve Project
4	Yalgoo	Great Northern Hwy/Maranalgo Rd	Upgrade signage on each approach to the intersection. Seal Maranalgo Rd pavement and tapers for a distance of 150m and a width of 7m	Nil	23,124	11,562	34,686		Reserve Project
5	Yalgoo	Great Northern Hwy/Thundelarra Rd	Upgrade signage on each approach to the intersection. Seal Thundelarra Road pavement and tapers for a distance of 150m and a width of 7m.	Nil	23,124	11,562	34,686		Reserve Project
6	Yalgoo	Great Northern Hwy/Paynes Find Sandstone Road	Upgrade signage on each approach to the intersection. Seal Paynes Find Sandstone pavement and tapers for a distance of 150m and a width of 7m.	1	23,124	11,562	34,686		Reserve Project
<b>Sub Total Mid West</b>					<b>676,734</b>	<b>\$343,367</b>	<b>\$1,020,101</b>	<b>\$0</b>	
<b>Pilbara</b>									
1	Ashburton	Second Ave /Third St	Increase intersection radii, repair road pavement, remove bollards and modify kerbing	Nil	15,100	7,550	22,650		Reserve project
2	Ashburton	Third Ave /Third St	Increase intersection radii, install 1.5m footpath on LHS of third Ave between Third St and Cameron Ave	Nil	58,300	29,150	87,450		Reserve project
3	Ashburton	Third Ave /Cameron Ave	Redesign and widen radii and repair road pavement	Nil	9,051	4,525	13,576		Reserve project
4	Ashburton	Second Ave /Cameron Ave	Relocate power poles , modify intersection and upgrade signing	Nil	32,213	16,107	48,320		Reserve project
5	Ashburton	Second Ave/Guliguru Way	Align intersection	Nil	12,000	6,000	18,000		Reserve project
6	Ashburton	Second Ave/Beadon Creek Rd	Install street lighting, warning signs and line marking	Nil	20,700	10,350	31,050		Reserve project
7	East Pilbara	Newman Dve/Kurra Rd/Hilditch Rd	Upgrade linemarking and signing. Upgrade street lighting to AS1158, install pedestrian crossing and replace damaged kerb	2	123,334	61,666	185,000		Reserve project
8	East Pilbara	Hilditch Ave between Newman Dve and Mindarra Dve	Improve linemarking, upgrade street lighting, improve barrier end treatments and car parking and access signage to be redesigned	Nil	216,666	108,334	325,000		Reserve project
9	Port Hedland	Pinga St/Cajarina Rd	Upgrade intersection to improve turning path for heavy vehicles, improve lighting, road marking and signs	Nil	221,000	110,500	331,500		Reserve project
<b>Sub Total Pilbara</b>					<b>708,364</b>	<b>\$354,182</b>	<b>\$1,062,546</b>	<b>\$0</b>	
<b>Wheatbelt South</b>									
1	Brookton	Greig Rd/Mills Rd	Realign and improve angles to approaches	Nil	6,666	3,334	10,000		Reserve project
2	Narrogin	Mellons Rd/Nottle Rd	Reduce crest, improve sight distance and realign	Nil	23,578	11,879	35,457		Reserve project
3	West Arthur	Arthur River - Dinninup Rd(Boyup Brook Arthur Rd)/ Glenorchy Rd	Realign curve and widen and reduce vegetation	Nil	100,000	50,000	150,000		Reserve project
4	Wickepin	Wickepin North Rd SLK 0.00-5.20	Widen Road and seal to 7m, upgrade culverts, reduce vegetation and upgrade signs and guideposts	Nil	170,000	85,000	255,000		Reserve project
5	Wickepin	Line Rd SLK 17.20 - 17.60	Widen culvert structure and road, seal and upgrade delineation	Nil	23,400	11,700	35,100		Reserve project
6	Williams	Quindanning - Darkan Rd SLK 7.70 - 9.70	Remove crest , widen and seal. Install guideposts	Nil	99,245	49,623	148,868		Reserve project
<b>Sub Total Wheatbelt South</b>					<b>422,889</b>	<b>\$211,536</b>	<b>\$634,425</b>	<b>\$0</b>	
<b>Wheatbelt North</b>									
1	Chittering	Chittering Rd - SLK 14.02	Widen to 7m, reduce vegetation, install linemarking and guide posts	Nil	130,000	65,000	195,000	104,449	Staged project \$24,551 to be considered for funding in 2011/12
2	Goomalling	Northam - Pithara Rd/Patterson Rd	Construct T junction	Nil	200,000	100,000	300,000	142,798	Staged project \$57,202 funded in 2009/10
3	Merredin	Bruce Rock - Merredin Rd/Totadgin Hall Rd	Realign Totadgin Rd to form a T-junction, upgrade signing and delineation	Nil	214,938	107,470	322,408	46,500	Staged project \$168,438 to be considered for funding in 2011/12
4	Moora	Wheat bin Rd SLK 0.00 - 0.64	Shift existing Rd onto its true alignment to clear existing speedway carpark	Nil	79,120	39,560	118,680	16,120	Staged project \$63,000 funded in 2009/10
5	Moora	Coomberdale West Rd/Prices Rd	Realign Coomberdale West Rd with 450m radius curve to form T-junction	Nil	98,530	49,265	147,795	24,159	Staged project balance to be considered for funding in 2011/12
6	Mukinbudin	Kununoppin-Mukinbudin Rd/Nungarin North Rd	Upgrade existing 4 way intersection and upgrade signing	Nil	134,200	67,100	201,300	83,742	Staged project \$50,458 funded in 2009/10

Approved  
2010/2011 State Black Spot Program  
Local Roads Projects not funded or partly funded

No.	LOCAL GOVERNMENT	LOCATION	TREATMENT	NUMBER OF CRASHES IN 2008	LGA REQUEST FOR BLACK SPOT FUNDING \$	LGA CONTRIBUTION \$	TOTAL PROJECT COST	RECOMMENDED FUNDING in 2010/11	COMMENTS
Sub Total Wheatbelt North					856,788	\$428,395	\$1,285,183	\$417,768	
South West									
1	Boddington	Bannister/Marradong Farmers Rd Intersection	Realign T-junction to T-intersection, remove road side hazards and upgrade existing street lighting	0	140,000	70,000	210,000		Reserve project
2	Busselton	Chapman Hill Road SLK 0.27 to 5.19	Construct and seal shoulders, install edgelines RRPM's and additional guideposts	3	348,983	174,492	523,475	111,506	Staged project balance to be considered for funding in 2011/12
3	Busselton	Gibb Road SLK 0.01 to 1.25	Seal Gravel Road 5.5m wide	0	170,100	85,050	255,150		Reserve project
4	Busselton	Mewett Road SLK 0.02 to 2.12	Seal Gravel Road 5.5m wide	1	276,735	138,368	415,103		Reserve project
5	Dardanup	Joshua Brook Road SLK 3.7 to 5.7	Construct and seal 6.0m wide, remove roadside vegetation and install RRPM's and additional guide posts	2	200,000	100,000	300,000		Reserve project
6	Harvey	Forestry Road SLK 8.43 to 11.42	Construct and seal shoulders, install advisory signs, edgelines, RRPM's and additional guideposts	1	140,000	70,000	210,000		Reserve project
7	Manjimup	Ispen Street Sommerville Street Intersection	Install pre deflection nibs to single lane roundabout	2	30,000	15,000	45,000		Reserve project
Sub Total South West					1,305,818	\$652,910	\$1,958,728	\$111,506	
Sub Total Rural Regions					\$4,069,401	\$2,039,794	\$6,109,195	\$567,944	
Metropolitan									
1	Armadale	River Rd/Rundle St	Install intersection island in Rundle Reinforce priority with Give Way line and sign	1	6,000	3,000	9,000		Reserve Project
2	Bassendean	Ida Street/Broadway	Intersection modification: - Traffic median islands on approaches (on Ida St approaches) - Improve/reinforce priority sign	4	35,333	17,667	53,000		Reserve Project
3	Bassendean	Collier Rd/Iolanthe St	Skid Resistant Treatment to Northern approach	4	8,667	4,333	13,000		Reserve Project
4	Cambridge	Selby St/Herdsman Pde	Install protected right turn pocket Seagull island in median	5	56,000	28,000	84,000		Reserve Project
5	Cambridge	The Boulevard/Selby St	Modify traffic signals with LED lanterns	6	24,000	12,000	36,000		Reserve Project
6	Cambridge	Kimberley St/Railway Pde	Install roundabout Upgrade Lighting	1	133,333	66,667	200,000		Reserve Project
7	Cockburn	Spearwood Ave/Doolett St	Install pre-deflection on all approaches	1	66,667	13,333	80,000		Reserve Project
8	Cottesloe	Eric St/Railway St	Install Pre-deflection in Railway Ave and Upgrade Street Lighting	4	80,000	40,000	120,000		Reserve Project
9	Fremantle	Winterfold Rd/Letchford St/Locket St	Install Roundabout and modify intersection	0	233,333	116,667	350,000	68,508	Part funded. Balance to be funded in future prograqm
10	Gosnells	Ovens Rd/Discovery Dve	Upgrade existing road lighting to AS1158	2	12,000	6,000	18,000		Reserve Project
11	Gosnells	Dorothy St/Eudoria St	Upgrade existing road lighting to AS1158	0	10,000	5,000	15,000		Reserve Project
12	Gosnells	Spencer Rd/Selby Rd	Install protected right turn lane and improve/reinforce priority	1	30,000	15,000	45,000		Reserve Project
13	Gosnells	Yale Rd/Murdoch Rd	Install roundabout & upgrade lighting	14	420,000	210,000	630,000		Reserve Project
14	Gosnells	Dorothy Street/Wheatley St	Construct traffic signals with right turn arrows (without filter) and upgrade existing road lighting to AS 1158	4	400,000	200,000	600,000		Reserve Project
15	Gosnells	Ovens Rd SLK 0.10 - 0.90	Install pedestrian refuge median island on existing road and bus embayments and upgrade existing footpath to shared path and upgrade existing street lighting	5	460,000	230,000	690,000		Reserve Project
16	Gosnells	Connell Ave SLK 0.84 - 1.00	Install median island on existing road and upgrade existing street lighting to As 1158	1	120,000	60,000	180,000		Reserve Project
17	Kalamunda	Welshpool Rd East/Lewis Rd	Construct seagull in median and a median acceleration lane	4	80,000	40,000	120,000		Reserve Project
18	Kalamunda	Canning Rd/Recreation Rd	Constuct painted right turn lane indented right turn island	2	23,800	11,900	35,700		Reserve Project
19	Nedlands	Brockway Rd/Lemnos St	Install left turn lane in Lemnos reduce radius - construct 70 degree island	6	58,000	29,000	87,000		Reserve Project
20	Nedlands	Railway Rd/Aberdare Rd/Shenton Park Busway	Modify traffic signals Install LED lights Install left turn slip lane in Aberdare Rd	5	80,000	40,000	120,000		Reserve Project
21	Nedlands	Monash Ave/Hampden	Upgrade lighting to AS1158	0	8,000	4,000	12,000		Reserve Project
22	Subiaco	Monash Ave/Hospital Ave	Install Roundabout	4	60,000	30,000	90,000		Reserve Project
23	Subiaco	Nicholson Rd/Derby Rd	Upgrade Lighting to AS 1158	1	10,000	5,000	15,000		Reserve Project
24	Subiaco	Onslow Rd/Derby Rd	Upgrade Lighting to AS 1158	0	8,000	4,000	12,000		Reserve Project
25	Swan	Beach Rd/Crocker Dve	Apply Skid Resistant Treatment	11	34,667	17,333	52,000		Reserve Project
26	Victoria Park	Duncan St/Kitchener Ave/Albany Hwy	Installation of median	3	93,333	46,667	140,000		Reserve Project
27	Vincent	Scarborough Beach Rd /London St /Loftus St	Modify traffic signals, install right turn arrows (without filter) on both Loftus and London St approaches. Install LED signal aspects.	11	176,333	88,167	264,500		Reserve Project
28	Vincent	Norfolk St/Raglan Rd	Reinforce Stop Priority by installing medians on the Raglan Rd approaches. Improve sight lines by banning parking.	1	50,000	25,000	75,000		Reserve Project
29	Wanneroo	Marmion Ave/Hughie Edwards Dve	Install protected left turn lane in Hughie Edwards Dr and seagull island at the intersection of Marmion Ave and Hughie Edwards Dr	4	60,000	30,000	90,000		Reserve Project
30	Wanneroo	Gnangara Rd (SLK's 1.79 to 2.47 and 2.90 to 3.57)	Upgrade street lighting to AS1158	1	133,333	66,667	200,000		Reserve Project
					2,970,799	1,465,398	4,436,197	68,508	
D10#7386 Projects submitted 203					GRAND TOTAL	7,040,200	\$3,505,192	\$10,545,392	\$636,452