

TRANSPORT — BLACK SPOT PROGRAM

2326. Mrs L.M. Harvey to the Minister for Transport:

- (1) What projects were funded through the State's Black Spot Funding program in 2016–2017 and how much was allocated to each project?
- (2) What is the allocation in the budget for the State's Black Spot Funding program for 2017–2018, 2018–2019, 2019–2020 and 2020–2021?

**Ms R. Saffioti replied:**

- (1)

<b>State Black Spot Program – Regional State Roads</b>	<b>2016/17 (Approved Program)</b>
<b>South Coast Highway/McLeod Road (Shire of Denmark)</b> Install passing bulge on South Coast Highway for west bound traffic.	\$391,000
<b>Forrest Highway/Old Coast Road SLK 76.84 (Shire of Harvey)</b> Construct acceleration lane to enable vehicles turning right from Paris Road to merge safely with high speed north bound traffic on Forrest Highway.	\$210,000
<b>Forrest Highway/Paris Road SLK 81.80 (Shire of Harvey)</b> Construct acceleration lane to enable vehicles turning right from Paris Road to merge safety with high speed north bound traffic on Forrest Highway.	\$60,000
<b>South Western Highway SLK 187.00–196.00 (Shire of Donnybrook Balingup)</b> Installation of road safety barriers.	\$740,000
<b>South Western Highway SLK 194.44–209.45 (Shire of Donnybrook Balingup)</b> Intersection improvement – right turn minimum treatment (shoulder widening) and left turn tapers to all intersection.	\$536,000
<b>North West Coastal Highway/Olsen Road (Shire of Chapman Valley)</b> Relocate intersection to achieve sight distance and construct right turning lane.	\$480,000
<b>Coolgardie Esperance Highway SLK 364.60–364.80 (Shire of Esperance)</b> Overlay reconstruction of superelevation on curve and install kerbing, signs and line marking.	\$400,000
<b>Victoria Highway SLK 78.39–80.78 (Shire of Wyndham–East Kimberley)</b> Remove hazards from clear zone, including culvert extensions.	\$348,000
<b>Toodyay Road/Morangup Road (Shire of Toodyay)</b> Improve road geometry to accommodate heavy vehicle and small traffic turning movements, street lighting and signs and line markings.	\$300,000
<b>Toodyay Road/Fernie Road SLK 20.45 (Shire of Toodyay)</b> Upgrade intersection geometry to include type “B” auxiliary lane. Trim/remove vegetation to improve sight distance, removal/protection of roadside hazards (trees, embankment & culverts).	\$270,000
<b>York–Merredin Road/Junction Road and Ashton Street SLK 66.65 – 67.15 (Shire of Quairading)</b> Realign and widen Junction Road intersection to remove conflict points between the truck layover area and information bay access road. Widen Ashton Street intersection to achieve suitable stacking distance from the rail crossing and improve sight lines.	\$330,000
<b>Collie Lake King Road/Tincurrin Road SLK 203.10 (Shire of Dumbleyung)</b> Widen curve and improve approaches to intersection, upgrade delineation and signage to avoid headlight glare.	\$235,000
<b>Paraburdoo Tom Price Road SLK 60.3 – 67.30 (Shire of Ashburton)</b> Widen and seal shoulders to 1.0m and install audible edge lines.	\$500,000
<b>Various Locations</b> Post Fatal Crash Treatments.	\$200,000

<b>State Black Spot Program – Metropolitan State Roads</b>	<b>2016/17 (Approved Program)</b>
<b>Marmion Avenue/Whitfords Avenue (City of Joondalup)</b> Intersection improvements, extend turning pockets, convert existing single left turn into double left turn on signalised Whitfords Avenue approaches.	\$2,500,000
<b>Marmion Avenue/Hepburn Avenue (City of Joondalup)</b> Intersection improvements, extend all turning pockets and double right turns on south approach, add auxiliary lane.	\$2,500,000
<b>Stock Road/Beeliar Road (City of Cockburn)</b> Intersection upgrade, installation of additional lanes, extend turning pockets, traffic signal modifications for new layout.	\$100,000
<b>Leach Highway/North Lake Road (City of Melville)</b> Intersection upgrade, installation of additional lanes, extend turning pockets, traffic signal modifications for new layout.	\$100,000
<b>Mitchell Freeway/Cedric Street on and off ramps (City of Stirling)</b> Additional right and left turn lanes, extension of right and left turn pockets, traffic signal modifications.	\$100,000
<b>Various Locations</b> Post fatal crash safety treatments.	\$200,000

<b>State Black Spot Program – Regional Local Roads</b>	<b>2016/17 (Approved Program)</b>
<b>Deane Road/Oatlands Road (Shire of Plantagenet)</b> Improve alignment of Oatlands Road, relocate power pole, install give way signs and modify drainage.	\$82,751
<b>Dumbleyung–Nyabing Road SLK 12.90 – 14.20 (Shire of Kent)</b> Widen and seal to 7.0m and 7.2m on curve with 0.5m sealed shoulders, install guide posts.	\$50,000
<b>Bay View Drive/Jeffcott Street/Queen Street SLK 1.30 – 1.34 (City of Albany)</b> Install median islands and line marking.	\$20,000
<b>Coogee Street SLK 0.00 – 0.70 (City of Albany)</b> Install median islands.	\$29,333
<b>Mt Shadforth Road/Scotsdale Road SLK 0.30 – 0.32 (Shire of Denmark)</b> Channelize Scotsdale Road, install median island, barrier line with reflective pavement markers, install signs and remove debris.	\$24,000
<b>Newdegate–Pingrup Road/Rock Dam Road SLK 10.85 – 11.25 (Shire of Kent)</b> Widen formation and seal on curve to 7.0m with 0.5m sealed shoulders, improve curve geometry, install guide posts and signs.	\$50,000
<b>Cartmeticup Road/Oakland Road SLK 9.10 – 9.40 (Shire of Woodanilling)</b> Realign Oakland Rd to improve visibility on Cartmeticup Road.	\$33,333
<b>Hill Street (City of Albany)</b> Change intersection priority, install delineation and signs.	\$15,583
<b>Grimwade Road SLK 13.00 – 18.00 (Shire of Donnybrook–Balingup)</b> Seal gravel road to 6.2m wide, remove roadside hazards, install delineation and advisory signs on curves.	\$206,667
<b>Forrest Street (Shire of Murray)</b> Construct roundabout.	\$170,000
<b>Shenton Road SLK 0.00 – 2.75 (Shire of Dardanup)</b> Remove roadside hazards, construct and seal shoulders, improve drainage and install guide posts.	\$392,817
<b>Waterloo Road SLK 0.67 (Shire of Dardanup)</b> Widen Bridge.	\$266,500
<b>Mornington Road SLK 7.00 – 16.81 (Shire of Harvey)</b> Install line marking and audible edge lines.	\$66,667
<b>Koombana Drive SLK 0.28 – 0.86 (City of Bunbury)</b> Construct left turn slip lane, seagull island and modify pedestrian facilities.	\$130,000

<b>Capel Tutunup Road SLK 2.10 – 3.55 (Shire of Capel)</b> Widen road to 6.2m wide.	\$227,333
<b>Campbell Road SLK 3.50 – 6.00 (Shire of Harvey)</b> Seal gravel road and install guide posts.	\$134,667
<b>Del Park Road SLK 0.05 – 1.30 (Shire of Murray)</b> Widen road to 9.0m seal, reinstate guide posts and install centre line.	\$190,000
<b>Paterson Road SLK 10.70 – 14.00 (Shire of Murray)</b> Widen road to 9.0m seal, reinstate guide posts and install centre line.	\$168,141
<b>Mingenew Morawa Road/Yandanooka North East Road (Shire of Mingenev)</b> Improve sight distance at intersection. Investigate options and proceed with design in readiness for construction of Stage 2.	\$40,000
<b>Dudawa/Campbell/Three Springs–Morawa Road (Shire of Three Springs)</b> Realign northern approach, provide left turn pocket on eastern approach, seal approaches on both Dudawa Road and Campbell Road, increase intersection sweeps to accommodate heavy vehicles, remove vegetation in clear zone, upgrade signs and line marking.	\$225,333
<b>Naraling East Yuna Road/Wheelden–Hoskings Road and Wheelden–Hoskings Road/Yuna Tenindewa Road (Shire of Chapman Valley)</b> Reconfigure intersections by realigning Naraling East Yuna Road and Wheelden–Hoskings Road.	\$123,800
<b>Mt Adams/Tomkins Road (Shire of Irwin)</b> Reconfigure intersection, realign Mt Adams Road and Tomkins Road.	\$130,000
<b>Meldrum Avenue/Speculation Road/O’Connor Street (City of Kalgoorlie–Boulder)</b> Realign Meldrum Avenue to remove 90 degree bend at intersection.	\$91,692
<b>Menzies North West Road SLK 44.40 – 45.90 (Shire of Menzies)</b> Raise gravel road at floodway, install box culverts, guide posts and signs.	\$89,985
<b>Dugan Street/Cassidy Street (City of Kalgoorlie–Boulder)</b> Install additional median islands, nibs and line marking.	\$22,000
<b>Forrest Street/Cassidy Street (City of Kalgoorlie–Boulder)</b> Realign kerb, install median islands and street lighting to AS 1158.	\$58,000
<b>Speculation Road (O’Connor Street to Maxwell Street) (City of Kalgoorlie–Boulder)</b> Install median islands on Speculation Road.	\$96,000
<b>Mort Harslett Drive SLK 10.10 – 11.20 (Shire of Dundas)</b> Realign and seal gravel road.	\$143,333
<b>Coolibah Drive /Ironwood Drive / Mangaloo Street (Shire of Wyndham–East Kimberley)</b> Upgrade street lighting on Coolibah Drive to AS 1158.	\$120,000
<b>Woods Drive SLK 0.00 – 0.49 (Shire of Broome)</b> Install two slow point devices.	\$59,253
<b>Roberta Avenue SLK 0.62 – 1.82 (Shire of Halls Creek)</b> Construct path with lighting, install advisory signs, guide posts and line marking.	\$120,747
<b>Tavistock Street/Northam Cranbrook Road (Shire of Wagin)</b> Install coloured central median. Install kerbed pedestrian refuge and parking nibs.	\$76,707
<b>Ardath Yarding Road/Strangers Road (Shire of Bruce Rock)</b> Realign Strangers Road to form T junction, reduce vegetation, and upgrade drainage.	\$53,006
<b>North Bannister Wandering Road/Ricks Road (Shire of Wandering)</b> Realign Ricks Road to form 90 degree T junction, rehabilitate redundant sections, apply 7.0m wide bitumen surface and provide 1.5m wide gravel shoulders.	\$170,629
<b>Malyalling Road/Mutton Road (Shire of Wickepin)</b> Reconfigure intersection to form T junction, widen approaches, upgrade signs and guide posts.	\$26,913
<b>Stratherne Road/Kerruish Road (Shire of Cuballing)</b> Minor intersection realignment, improve sight distance, clear vegetation and upgrade signs.	\$9,433
<b>Ardath Yarding Road/Smith Road (Shire of Bruce Rock)</b> Minor intersection realignment, improve sight distance, clear vegetation and upgrade signs.	\$41,543

<b>Bowelling–Duranillin Road/Darkan Moodiarrup Road (Shire of West Arthur)</b> Realign and relocate intersection to remove S bends on approach, increase sight distance, upgrade signs.	\$21,834
<b>Dewar Road/Weld Street/Brockman Street (Shire of Gingin)</b> Remove Brookman Street slip lane, install signage, remove vegetation, install turning lane for east bound traffic from Dewar Road to Brockman Street, install slip lane for west bound traffic on Weld Street, improve lighting.	\$72,385
<b>Merewa Road SLK 5.00 – 6.20 (Shire of Moora)</b> Clear vegetation, reinstate pavement, apply two coat seal, install signs and guide posts.	\$99,651
<b>Julimar Road SLK 28.93 – 30.54 (Shire of Toodyay)</b> Reconstruct and seal shoulders to 7.0m width, prune roadside vegetation, install advisory signs and guide posts.	\$18,978
<b>Julimar Road SLK 13.23 – 15.96 (Shire of Toodyay)</b> Reconstruct and seal shoulders to 7.0m width, prune roadside vegetation, install advisory signs and guide posts.	\$27,571
<b>Julimar Road SLK 1.78 – 4.67 (Shire of Toodyay)</b> Reconstruct and seal shoulders to 7.0m width, prune roadside vegetation, install advisory signs and guide posts.	\$46,010
<b>Chittering Road SLK 13.79 – 14.50 (Shire of Chittering)</b> Widen shoulders, install safety barrier, replace guide posts with chevron markers and upgrade signage.	\$45,658
<b>Cunderdin–Quairading Road SLK 0.00 – 21.25 (Shire of Cunderdin)</b> Install longitudinal line marking and upgrade signs.	\$35,841
<b>Goomalling–Merredin Road/Benjaberring–Hindmarsh Road SLK 4.97 (Shire of Wyalkatchem)</b> Realign and construct new off-set intersection with Benjaberring–Hindmarsh Road, widen, seal, extend culverts, install signs and rehabilitate abandoned approach legs.	\$31,191
<b>Hospital Road SLK 9.32 – 10.19 (Shire of Wongan–Ballidu)</b> Improve horizontal geometry on curves, seal to 7.0m and construct gravel shoulders.	\$85,000
<b>Spencers Brook Road SLK 7.40 – 8.20 (Shire of Northam)</b> Modify intersection with York Road, widen and seal road Spencer Brook Road, remove vegetation, upgrade line marking and signs at rail crossing.	\$39,223
<b>Great Eastern Highway/Bedford Street/Tame Road/Keane Street/Berry Brow Road SLK 69.75 – 70.20 (Shire of Northam)</b> Widen and kerb Great Eastern Highway from SLK 69.75 – 70.20, realign footpath from Tame Road to SLK 69.70, extend culverts and retain embankment with retaining wall.	\$200,492
<b>Dampier Road (West of Broadhurst Road roundabout) SLK 2.26 – 2.83 (City of Karratha)</b> Install signalised pedestrian crossing, upgrade pedestrian path, remove existing wig wag crossing.	\$320,000

<b>State Black Spot Program – Metropolitan Local Roads</b>	<b>2016/17 (Approved Program)</b>
<b>Lilydale Road SLK 0.90 – 4.09 (Shire of Mundaring)</b> Widen and seal to 7.0m, clear vegetation, improve delineation, install guide posts, signs and edge lines.	\$164,090
<b>Marmion Street/Petra Street (City of Fremantle)</b> Install seagull island in median.	\$15,693
<b>Chittering Road SLK 1.46 – 5.59 (City of Swan)</b> Install edge lines and retroreflective raised pavement markers.	\$70,000
<b>Great Eastern Highway/Craig Street (Town of Victoria Park)</b> Modify intersection, install left turn slip lane on Great Eastern Highway into Craig Street to allow left-in and left-out movements only.	\$213,333
<b>Walcott Street/Raglan Road (Town of Vincent)</b> Reinforce priority, install median island on Raglan Road and upgrade signage.	\$13,333
<b>Gregory Street/Cambridge Street (Town of Cambridge)</b> Reinforce priority, upgrade signage, install median island with pedestrian refuge, ban parking adjacent to intersection (north).	\$20,000

<b>High Road/Metcalf Road to Willeri Drive/Riley Road SLK 1.55 – 3.00 (City of Canning)</b> Upgrade existing street lighting.	\$162,000
<b>Old Yanchep Road/Pederick Road to Trandos Road SLK 2.11 – 3.58 (City of Wanneroo)</b> Realign curves, reconstruct superelevation, seal shoulders, install edge lines and raised pavement markings.	\$356,000
<b>Warton Road/Armadale Road – Jandakot Road SLK 0.10 – 1.31 (City of Cockburn)</b> Install street lighting.	\$213,334
<b>Wharf Street/Centre Street (City of Canning)</b> Install pre deflection on Wharf Street approaches to roundabout.	\$41,540
<b>South Terrace/South Street (City of Fremantle)</b> Modify signals to remove right turn arrows, install turning pocket.	\$68,037
<b>Erindale Road (200m road section between Beach Road &amp; Ellersdale Road) (City of Joondalup)</b> Formalise pedestrian crossing to provide safe pedestrian movement between bus stops and nearby Warwick Shopping Centre, improve right turn pocket.	\$110,000
<b>Marlow Street/Grantham Street (Town of Cambridge)</b> Reinforce priority, install median islands and upgrade signage.	\$14,000
<b>Iolanthe Street/Broadway (Town of Bassendean)</b> Install pre deflection nibs at existing single lane roundabout (North and South).	\$53,333
<b>Walter Road East/Ida Street (Town of Bassendean)</b> Reinforce priority, install median islands on Ida Street.	\$28,000
<b>Macewan Street/Loftus Street (Town of Cambridge)</b> Install seagull island to define left turn only, upgrade signage.	\$14,000
<b>Fifty Road/Mandurah Road (City of Rockingham)</b> Install left slip lanes, modify right turn turning pocket on Mandurah Road, upgrade street lighting.	\$150,000
<b>Challis Road/Lowanna Way (City of Armadale)</b> Upgrade street lighting.	\$23,333
<b>Marapana Road/Oceanic Drive (Town of Cambridge)</b> Reinforce priority, install seagull and median islands, extend and widen right turning pocket on Oceanic Drive.	\$73,333
<b>Forrest Road/Fifth Road (City of Armadale)</b> Install pre deflection on western approach and upgrade street lighting.	\$88,467
<b>Champion Drive/Williams Road (City of Armadale)</b> Upgrade street lighting.	\$21,333
<b>Hartman Drive/Kingsway (City of Wanneroo)</b> Install skid resistant treatment to through traffic only (North and South).	\$30,000
<b>Marmion Street/Baal Street (City of Melville)</b> Reinforce priority, install traffic islands on approaches.	\$26,667
<b>Marmion Street/Adrian Street (City of Melville)</b> Reinforce priority, install traffic islands on approaches.	\$23,333
<b>Rome Road/Holman Street (City of Melville)</b> Reinforce priority, install traffic islands on approaches.	\$23,333
<b>Iolanthe Street/Anzac Terrace (Town of Bassendean)</b> Install pre deflection nibs at existing single lane roundabout (North and South).	\$43,333
<b>Railway Road/Elizabeth Street (Shire of Kalamunda)</b> Channelize all approaches, install traffic median islands, upgrade signage and ban parking adjacent to intersection.	\$87,324
<b>Old Yanchep Road/Trandos Road to Wattle Avenue SLK 3.58 – 4.45 (City of Wanneroo)</b> Realign curves, reconstruct superelevation, seal shoulders, install edge lines and raised pavement markings.	\$644,533
<b>Columbia Parkway/Pleasant Avenue (City of Armadale)</b> Install roundabout and upgrade street lighting.	\$105,760
<b>Wungong Road/Harber Drive (City of Armadale)</b> Install roundabout and upgrade street lighting.	\$106,614
<b>Fifth Road/Dale Road and Edgeroi Way (City of Armadale)</b> Install roundabout and upgrade street lighting.	\$138,186

<b>Seville Drive/Westfield Road (City of Armadale)</b> Install right turn lane into Westfield Road, upgrade signage, line marking and upgrade street lighting.	\$111,734
<b>Centenary Avenue SLK 0.00 – 0.91 (City of Canning)</b> Dual northbound Leach Highway off-ramp, widen to City of South Perth boundary, install right turn lane into Scout and TS Canning facility and extend southbound bus lane to Leach Highway on-ramp.	\$528,000
<b>Whitfords Avenue/John Wilkie Turn (City of Joondalup)</b> Install single lane roundabout with median approaches, pedestrian crossings, improve cycling facilities, upgrade signs and street lighting to.	\$314,666
<b>Beach Road/Warwick Station Access (City of Joondalup)</b> Modify signals to include new pedestrian/cyclist lanterns, modify signal phasing and remove right turn filter, improve lighting and resurface intersection with skid resistant asphalt.	\$80,000
<b>Hamer Parade SLK 0.07 – 0.10 (City of Stirling)</b> Install safety barrier.	\$7,000
<b>Central Avenue/Hamer Parade SLK 1.64 (City of Stirling)</b> Install pre deflection nibs on Central Avenue approaches.	\$180,000
<b>Millhouse Road/Chateau Place (City of Swan)</b> Install roundabout.	\$612,358
<b>Anchorage Drive North/Bergen Way (City of Wanneroo)</b> Realign intersection, install seagull islands, upgrade pedestrian facilities, upgrade signs and line marking.	\$24,000

- (2) \$20 million is typically provided for the State Black Spot Program annually.