



FREEDOM OF INFORMATION COVERSHEET

The following information is provided pursuant to section 28 of the *Freedom of Information Act 2016*.

FOI reference: 24-105

Information to be published	Status
1. Access application	Published
2. Decision notice	Published
3. Schedule	Published
4. Documents	Published
5. Additional information identified	Not applicable
6. Fees	Waived
7. Processing time (in working days)	52 days
8. Decision made by Ombudsman	Not applicable
9. Additional information identified by Ombudsman	Not applicable
10. Decision made by ACAT	Not applicable
11. Additional information identified by ACAT	Not applicable

From: [REDACTED]
To: [TCCS FreedomOfInformation](#)
Subject: FOI Request
Date: Wednesday, 10 July 2024 1:46:31 PM

Caution: This email originated from outside of the ACT Government. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Dear FOI Officer,

Firstly, I note that the ACT government is generally open with providing data and commend them for this. However after a reasonable effort to find this data, I am now seeking this through FOI and encourage the ACT government to publish blackspot ranking on its data portal in the future.

I am seeking information that is in the public interest so that the broader community can be made aware of how problem sites are identified, ranked, and treated. This will enhance the understanding of the processes and how best for the community to engage in the process with government to ensure the highest priority issues are addressed.

I am seeking information in relation to the rankings of black spot nominations for each year that would have been considered by the ACT Black Spot Consultative Panel over the last 10 years.

- The Transport Canberra and City Services FOI 23-028 provides subsets of tables of nominated sites along with a “black spot ranking” (p10).
- I additionally request any information on how the “black spot ranking” is determined including who does this work, what is considered, and the administrative process to finalise the ranking (including if this has changed over the last 10 years)

I also seek what consideration the ACT Black Spot Consultative Panel gives to selecting sites, for example, why sites ranked 50 or 44 are pursued over higher ranked sites.

- This may include any governance procedures, legislative requirements, or standard operating procedures, including how Road ACT nominations are handled in relation to other nominations.
- I also seek specific information related to how and why those sites ranked 50 (Benham St) and 44 (Limestone) as identified in July 2019 Panel briefing notes were selected to be progressed over other higher ranked sites.

I also seek all related information from Transport Canberra and City Services/Roads ACT to support their nominated intersections to the black spot program over that same 10 year period.

- Transport Canberra and City Services FOI 23-028 provides two examples of nominations by Roads ACT being Benham Street/Isabella Drive, and Euree Street / Limestone Avenue / Treloar Crescent. Transport Canberra and City Services FOI 23-097 provide four further examples including Ernest Cavanagh Street/Hinder Street.
- I seek the basis of all nominations over the same 10 year period, what information has been considered by TCCS/Roads ACT for each nomination to put the nomination forward, and the administrative process for Transport Canberra and City Services /Roads ACT to finalise the nomination.
- Please include the final advice provided to, and received from, the ACT Black Spot Consultative Panel provided by Transport Canberra and City Services/Roads ACT to support its nominations.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



Dear [REDACTED]

Freedom of Information Request - Reference 24-105

I refer to your application for access to government information received by Transport Canberra and City Services (TCCS) on 10 July 2024. It is my understanding that you are seeking access to the following government information under the *Freedom of Information Act 2016* (FOI Act):

"I am seeking information in relation to the rankings of black spot nominations for each year that would have been considered by the ACT Black Spot Consultative Panel over the last 10 years.

- *The Transport Canberra and City Services FOI 23-028 provides subsets of tables of nominated sites along with a "black spot ranking" (p10).*
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- *I seek the basis of all nominations over the same 10 year period, what information has been considered by TCCS/Roads ACT for each nomination to put the nomination forward, and the administrative process for Transport Canberra and City Services /Roads ACT to finalise the nomination.*
- *Please include the final advice provided to, and received from, the ACT Black Spot Consultative Panel provided by Transport Canberra and City Services/Roads ACT to support its nominations."*

I thank you for providing the following in your application. Your feedback relating to the Open Data portal has been provided to the relevant business areas in TCCS.

- *“Firstly, I note that the ACT government is generally open with providing data and commend them for this. However after a reasonable effort to find this data, I am now seeking this through FOI and encourage the ACT government to publish blackspot ranking on its data portal in the future.*
- *I am seeking information that is in the public interest so that the broader community can be made aware of how problem sites are identified, ranked, and treated. This will enhance the understanding of the processes and how best for the community to engage in the process with government to ensure the highest priority issues are addressed.”*

Timeframes

In accordance with section 41 of the FOI Act a decision is due on your access application by 20 September 2024. In the processing of your application, it was identified that some information may be of concern to a relevant third party. I confirm that third party consultation has been completed under section 38 of the FOI Act.

Authority

I am an Information Officer appointed by the Director-General under section 18 of the Act to deal with access applications made under Part 5 of the FOI Act.

Decision on access

In accordance with the FOI Act, a search of TCCS records has been completed and twenty-two records have been identified as relevant to your application.

On review, three of the records has been identified to be publicly available in response to a previous FOI access application, reference 23-028. A reference to these records hare included in the schedule at Attachment A, and can be accessed using the link [here](#). As this information is already available to you, I am refusing to deal with your application where it applies to this document, under section 45 of the *Freedom of Information Act 2016*.

Upon reviewing the information within the remaining eighteen records and applying the public interest test under section 17 of the FOI Act, I am providing you with:

- Full access to eleven records; and
- Partial access to eight records.

Reasons for my decision are detailed further below in the statement of reasons. A list of relevant information is enclosed at Attachment A. A copy of the relevant records is enclosed at Attachment B, with redactions applied to information I have found contrary to the public interest to disclose. I include the following list of acronyms to aid with your review of the information disclosed to you:

- MNW Program - Minor New Works Program
- BS Program – Black Spot Program
- CW Program – Capital Works Program
- NCA – National Capital Authority
- RSM Program – Road Safety Maintenance Program

In addition to the qualification information, the decision to recommend sites at a lower ranking than others can be a result of works being undertaken or completed through other government maintenance programs. The report is a result of five years of crash data, which is unaffected by improvements to the locations.

I also advise that the ACT Black Spot Consultative Panel last met in 2021, and as such no records beyond this time exist.

Statement of Reasons

In reaching my access decision, I have taken the following into account:

- The FOI Act.
- the content of the documents that fall within the scope of your request.
- the *Human Rights Act 2004*.
- S.38 third party consultation response.

The FOI Act has a pro disclosure bias, which requires information to be disclosed unless doing so would be contrary to the public interest. As an Information Officer, I must decide where, on balance, public interest lies in the disclosure of government information. Section 17(1) of the Act sets out the steps for completing the public interest test. As part of this process, I must identify all relevant factors in schedule 1 of the FOI Act. If no factor in schedule 1 is found relevant to apply to all or part of the information, I must then consider the factors listed in schedule 2 of the FOI Act and determine, on balance, where the public interest lies.

Schedule 1:

- No relevant sections identified.

Schedule 2:

Factors favouring disclosure (Schedule 2.1)

- Schedule 2.1(a)(i) - promote open discussion of public affairs and enhance the government's accountability;
- Schedule 2.1(a)(iii) - inform the community of the government's operations, including the policies, guidelines and codes of conduct followed by the government in its dealings with members of the community
- Schedule 2.1(a)(viii) - reveal the reason for a government decision and any background or contextual information that informed the decision.

Factors favouring non-disclosure (Schedule 2.2)

- Schedule 2.2(a)(ii) - prejudice the protection of an individual's right to privacy or any other right under the Human Rights Act 2016.

In the reviewing the information falling in scope of your application, I recognise that the information relates to road safety and maintenance of government assets. The disclosure of relevant information is likely to provide the community with information about the government's operations during the relevant period, including contextual information on government decisions. I also acknowledge that the pro-disclosure bias requires the public interest test to be approached on the basis that there are not simply empty scales in equilibrium, waiting for arguments to be put on each side. Rather, the scales are loaded in favour of disclosure. I have attributed significant weight to these factors.

In my review, I have also identified personal information relating to third parties, for example names and contact numbers of panel members. I find that factor 2.2(a)(ii) is relevant to this information and I must consider if the disclosure is likely to prejudice the protection of an individual's right to privacy under the *Human Rights Act 2004*. I consider that this personal information has been provided to TCCS for a specific purpose, and with an expectation that the information is treated confidentially. I have also considered that information published about the panel includes organisations that are represented, but not the names of individuals. Further, I

consider that the disclosure of third-party personal information is unlikely to advance the factors favouring disclosure. In this instance, I have found an individual's right to privacy under the *Human Rights Act 2004* carries significant weight, and the disclosure of personal information to be, on balance, contrary to the public interest.

I have found that the factors favouring disclosure can be satisfied with the deletion of information which is contrary to the public interest. A copy of the relevant information with deletions applied is enclosed at [Attachment B](#).

Charges

In accordance with [Freedom of Information \(Fees\) Determination 2018](#), a fee of \$0.35 per page of information disclosed, except for the first 50 pages, may be applied to an access application. I have waived the fee of \$49.50 as your application marginally exceeds the fee-free threshold.

Online publishing – disclosure log

Under section 28 of the Act, TCCS maintains an online record of access applications called a disclosure log. A copy of your application, my decision and the information disclosed to you will be published on the TCCS disclosure log within 3 – 10 business days. Your personal information will be removed from these records prior to publication. You may view the TCCS disclosure log [here](#).

Ombudsman review

My decision on your access request is a reviewable decision as identified in Schedule 3 of the Act. You have the right to seek an Ombudsman review of this outcome under section 73 of the Act within 20 working days from the day that my decision is published in TCCS' disclosure log, or a longer period allowed by the Ombudsman. If you wish to request a review of my decision, you may write to the Ombudsman at:

The ACT Ombudsman
GPO Box 442
CANBERRA ACT 2601
Via email: actfoi@ombudsman.gov.au

ACT Civil and Administrative Tribunal (ACAT) review

Under section 84 of the Act, if a decision is made under section 82 on an Ombudsman review, you may apply to the ACAT for review of the Ombudsman decision. Further information may be obtained from ACAT at:

ACT Civil and Administrative Tribunal
GPO Box 370
CANBERRA CITY ACT 2601
Telephone: (02) 6207 1740
www.acat.act.gov.au

If you have any queries concerning the directorate's processing of your request, or would like further information, please contact the TCCS FOI team on (02) 6207 2987 or email to tccs.foi@act.gov.au.

Yours sincerely



Lisa Johnson
Information Officer

19 September 2024

ATTACHMENT A - ACCESS APPLICATION SCHEDULE, FREEDOM OF INFORMATION

Reference Number: 24-105

Please be aware that under the *Freedom of Information Act 2016*, some of the information provided to you will be released to the public through the ACT Government's Open Access Scheme. The Open Access release status column of the table below indicates what documents are intended for release online through open access.

Personal information or business affairs information will not be made available under this policy. If you think the content of your request would contain such information, please inform the contact officer immediately.

Information about what is published on open access is available online at: https://www.cityservices.act.gov.au/about-us/freedom_of_information/disclosure-log

Factors favouring non-disclosure:

Schedule 2, section 2(a)(ii) - prejudice the protection of an individual's right to privacy or any other right under the *Human Rights Act 2016*.

Reference number	Page number	Description	Date	Status	Reason for non-release or deferral	Open Access release status
1	1	Draft Minutes_May 2014 Meeting	May 2014	Partial access	Schedule 2, section 2(a)(ii)	Decision to be published on the TCCS Disclosure Log .
2	4	Briefing Notes-Feb 2014 meeting	February 2014	Partial access	Schedule 2, section 2(a)(ii)	
3	27	Briefing Notes-May 2014 meeting	May 2014	Full access	Not applicable	
4	39	Draft Minutes_Nov 2014 Meeting	November 2014	Partial access	Schedule 2, section 2(a)(ii)	
5	42	Briefing Notes-November 2014 meeting	November 2014	Full access	Not applicable	
6	56	Draft Minutes_Feb 2014 Meeting (2)	February 2014	Partial access	Schedule 2, section 2(a)(ii)	
7	60	Black Spot Ranking 2010-2014	2015	Full access	Not applicable	

8	70	Briefing Notes-March 2016 meeting	March 2016	Full access	Not applicable
9	87	Black Spot Ranking 2011-2015_updated Aug2016	2016	Full access	Not applicable
10	97	Draft Minutes_Mar 2016 meeting	8 March 2016	Partial access	Schedule 2, section 2(a)(ii)
11	100	Black Spot Ranking - 2012-2016	2017	Full access	Not applicable
12	113	Draft Minutes_Apr 2017 meeting	7 April 2017	Partial access	Schedule 2, section 2(a)(ii)
13	117	Briefing Notes-April 2017 meeting	April 2017	Full access	Not applicable
14	133	Black Spot Ranking - 2013-2017	2018	Full access	Not applicable
15	146	Minutes_June 2018 1 meeting	8 June 2018	Partial access	Schedule 2, section 2(a)(ii)
16	149	Briefing Notes- 2018 meeting 1	June 2018	Full access	Not applicable
17	165	Black Spot Ranking - 2014-2018	2019	Full access	Not applicable
18	177	BS meeting July 2019_Minutes Draft	26 July 2019	Partial access	Schedule 2, section 2(a)(ii)
19	180	Black Spot Program_2015-2019	2020	Full access	Not applicable
-	-	BS Briefing Notes- 2019 meeting	2019	-	Released in response to FOI 23-028 (published here)
-	-	Minutes - BS meeting December 2021 - FINAL	2021	-	Released in response to FOI 23-028 (published here)
-	-	BS Briefing Notes-2021 December meeting FINAL	2021	-	Released in response to FOI 23-028 (published here)

Total number of documents: 19

BLACK SPOT PROGRAMME ACT CONSULTATIVE PANEL

Meeting No 29

22 May 2014

3:30 - 4:30 pm

Level 7, Macarthur House, Lyneham ACT

Attendees

Zed Seselja, Senator for ACT - Chair

[REDACTED] (Department of Infrastructure and Transport, DoIT)

[REDACTED] Pedal Power, PP)

[REDACTED] (National Capital Authority, NCA)

Geoffrey Davidson (Road Safety Policy, JACS)

Amanda Casimir (Roads ACT)

Pawel Potapowicz (Roads ACT)

Jayanthi Vikneson (Roads ACT)

Absent with apologies

Rifaat Shoukrallah (Roads ACT)

[REDACTED] (NRMA Motoring and Services)

[REDACTED] (Motorcycle Riders Association ACT, MRA)

[REDACTED] (Australasian College of Road Safety, ACRS)

Observer

[REDACTED]

1. Introduction and confirmation of draft agenda

Mr Seselja welcomed members to the meeting, and confirmed the agenda items.

2. Matters arising

The minutes from the previous meeting in February 2014 were accepted.

3. Progress update on 2013/14 projects

Roads ACT provided a progress report on the projects in the 2013/14 program. All projects will be completed by June 2014.

4. Results of the feasibility studies for the 2014/15 program

Roads ACT provided a summary of the feasibility studies undertaken on the 4 locations selected at the last meeting (refer to page 9 of the Briefing Notes for Meeting 28).

Mr Seselja felt the panel should not be endorsing the speed reduction recommendations in the Tuggeranong Parkway studies as this was a policy issue for the ACT government.

Roads ACT advised it has a policy in place that provides for consultation with the community for potentially contentious projects such as speed limit reductions. Projects that were endorsed by the panel could be withdrawn from the program if there was an overwhelming community objection.

██████████ felt that the speed limit reduction was a safety recommendation and the panel should not discount it only on the basis of possible community objection.

Roads ACT advised its intention to review the speed limits for the whole Tuggeranong Parkway, and suggested the panel re-visit these 2 feasibility studies after its completion.

The panel agreed to further consider the Tuggeranong Parkway studies at a later date.

5. Panel's consideration of projects for the 2014/15 program

Roads ACT recommended the following package of works for the 2014/15 program:

Locations for 2013/14	Treatment Type	*Req. Funding
JERRABOMBERRA AV / CAPTAIN COOK CR / STURT AV**	Signals	452,000
JOHN CLELAND / COULTER DR	Install STOP signs	22,500
MIDBLOCK - TUGGERANONG PKWY (LADY DENMAN DR-COTTER RAMP EAST)	Animal fencing and correction of minor deficiencies	270,000
THARWA DR / DUGGAN ST	Separation of left turn deceleration lane and minor median modifications	280,000
GUNGAHLIN DR / WELL STATION RD	High angle approach on the left turn out of Well Station plus signals upgrade	100,000 (to be co-funded by the Roads ACT \$91,000)
TOTAL		\$1,124,500

*Funding includes procurement fees feasibility studies costs and contingencies.

**Continuation of the 2013/14 project.

The panel agreed to the recommended program.

Action – Proposed program to be recommended to the Federal Minister for approval.

7. Other business

Roads ACT noted additional funding under the Asset Recycling Fund Projects – Infrastructure Growth Package – New Investments, that will be provided by the

Federal Government in 2015/15 and 2016/17 totalling \$3.22 million (\$1.61 million per annum).

8. Next meeting

No date was set for the next meeting; however Roads ACT will organise one early in the new financial year at which a list of sites for investigation and consideration for the 2015/16 program will be prepared by Roads ACT.

Action – Roads ACT to set a date for the next meeting following liaison with Mr Seselja's office.

Mr Seselja thanked the Panel members for attending and closed the meeting.



**ACT BLACK SPOT
CONSULTATIVE PANEL**

Meeting No 28

BRIEFING NOTES

February 2014

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Appendix A – List of ACT Black Spot Funded Improvements

Appendix B – Black Spot Ranking - 5 Years

Appendix C – Revised assessment in relation to intersection of Captain Cook Ave / Jerrabomberra Ave / Sturt Ave

1. INTRODUCTION

To date, 108 projects have been funded in the ACT under the AusLink / Nation Building Black Spot Program. A list of these projects is at Appendix A.

The Australian Government will provide \$300 million (\$60 million per annum) to extend the Black Spot Program for a further 5 years from 2014-15 to 2018-19.

The program will continue to fund relatively low cost safety works such as roundabouts, crash barriers and street lighting in places where there have been serious crashes or where serious crashes are likely to occur.

The value of Nation Building Black Spot funding for ACT in 20013/14 is \$966,000.

Details of the general requirements for Black Spot projects are outlined in the Black Spot Program Notes on Administration.

www.auslink.gov.au/publications/administration/index.aspx

The Territory and Municipal Services Directorate's (TAMS) interpretations of these requirements are as follows:

- 1) The objective is to treat sites with demonstrated serious crash rates
- 2) The sites need to be amenable to cost effective treatment with a Benefit to Cost cut off at 2.0
- 3) Projects also need to be able to be delivered in a specific time frame.

2. ACT CRASH DEFINITIONS

The following standard definitions are used to define crash severity in the ACT:

Fatal crash	a motor vehicle crash which involves at least one fatality within 30 days of the crash taking place
Injury crash	a motor vehicle crash where at least one person receives injuries which require medical attention either at the scene of the crash or in hospital
Property damage crash	a motor vehicle crash where no fatalities or injuries result

Typically in the ACT about 8,000 on-road motor vehicle crashes occur annually. The associated breakdown of crash severity is:

Fatal	0.1%
Injury	5.0%
Property	94.9%

3. ACT BLACK SPOT IDENTIFICATION PROCESS

The following approach is adopted for selecting Black Spot sites in the ACT:

- 1) For intersections: identify locations which meet the crash rate criteria. The minimum eligibility criterion is a history of at least 3 casualty crashes over a 5 year period.

Locations where no positive controls exist are given preference for selection if crash rates and rankings are similar.

For mid blocks: a similar process is followed for a section of road.

- 2) Identify cost effective solutions and rank on the basis of the benefit/cost ratio.

In addition to the above, up to 30% of Nation Building Black Spot funds may be used for the treatment of sites which may not meet the crash history criteria, but which have been recommended as part of an official road safety audit report.

Treatments that can be delivered in the year that funding is available are given preference when other criteria are similar.

See the Nation Building Black Spot Program Notes on Administration for further details.

- 3) As part of the application of the “safe system” / Vision Zero methodology, safety issues are increasingly being addressed at the network level using the “mass application of engineering treatments”. In 2010 Roads ACT completed a study to investigate what mass engineering treatments are most suitable to address the 3 most frequent crashes in the ACT (single vehicle, rear end, right angle) and has developed a program of works to address single vehicle crashes.

The treatments to address single vehicle crashes was included in the 2010-11 program, and included curve delineation improvements, high visibility advanced warning signage and hazard removal/protection.

Roads ACT has now completed an investigation of mass action engineering treatments to address right angle crashes and is investigating a potential package of works for the future program.

4. UPDATE ON 2012/13 PROJECTS

Table 1

Locations	Treatment Type	Funding	Expenditure	Update
Black Spot Projects 2012/13 \$966,000				
Monaro Hwy (Hindmarsh Dr – Lanyon Dr)	Enhance speed limit signage. New flashing warning signs before Lanyon Dr	\$225,000	183,362	Completed
Aikman Dr (Emu Bank – Townsend Pl)	Signalise pedestrian crossing	\$250,000	250,000	Completed
Challis St (Cape St – Morphett St)	Painted turn bays and lane definition	\$96,000	96,000	Completed
Sandford St / Gungahlin Dr	Signage improvements	\$16,000	16,000	Completed
Kingsford Smith Dr / Spalding St	Lane reduction	\$130,000	130,000	Completed
Athllon Dr / Fincham Cr	Line of sight improvements	\$40,000	40,000	Completed
Macarthur Av / David St / Wattle St	Signals and signage improvements and upgrade of existing light columns to frangible type	187,000	187,296	Completed
Eggleston Cr / Melrose Dr *	Partial closure of median. No right turn out of Eggleston Cr	\$0	\$0	Removed
TOTAL		\$944,000	\$902,658	

*Eggleston Cr/Melrose Dr - Removed from the program due to community concerns. Signalisation included in 2013/14 Roads ACT Capital Works.

5. CURRENT STATUS OF 2013/14 PROJECTS

Table 2

Locations	Treatment Type	Funding	Expenditure	Update
Black Spot Projects 2013/14 \$966,000				
MELROSE DR / CORINNA ST	Reduction of speed limit from 70km/h to 60 km/h between Hindmarsh Dr and Yarra Glen and minor intersection improvements inc. upgrade of light columns to non frangible type	230,000	19,195	Design
YAMBA DR / JULIA FLYNN AV (North)	Channelization in the median and new kerbing	95,000	54,773	Design
CARRUTHERS EAST - YARRA GLENN NORTH RAMP / CARRUTHERS / YARRA GLENN NORTH - CARRUTHERS WEST RAMP	Traffic signal improvements and barrier improvements	180,000	25,534	Design
BELCONNEN WAY / COULTER DR	Install signal mast arms and correct minor deficiencies	388,000	42,947	Design
JERRABOMBERRA AV / CAPTAIN COOK CR / STURT AV*	Reduce northbound Jerrabomberra Av to one lane	45,000	7,391	Design
DRAKEFORD DR / NOOROOMA ST	correct minor deficiencies	20,500	9,447	Design
DRAKEFORD DR / BARR-SMITH AV	correct minor deficiencies	26,000	6,879	Design
TOTAL		\$984,500	\$166,166	

*Jerrabomberra Av/ Captain Cook Cr – with further crash analysis it is now proposed to vary the scope and signalise. Additional funding required \$452,000

6. VARIATION PROPOSAL FOR 2014/15 PROGRAM

Intersection of Captain Cook Crescent / Jerrabomberra Avenue / Sturt Avenue.

- This intersection has been subject to further consideration as part of the design process.
- With additional findings and more recent crash history, including one fatality crash, being available, the design consultant (RD Gossip) for the 2013/14 program has changed the recommendation from the feasibility study. Based on a revised benefit cost criteria, the recommendation is now to signalise the whole intersection (see Appendix C).
- This will result in a variation to the scope of the existing 2013/14 project and the need for additional funding of \$452,000, which impacts on availability of funding for the rest of the 2014/15 program.
- To accommodate this, Roads ACT suggests reducing the number of sites for investigation in the 2014/15 program.

7. SUGGESTED 2014/15 PROGRAM FOR INVESTIGATION

Appendix B lists the top intersection and midblock sites in the ACT which currently meet the black spot funding criteria based on crash rates over 5 years for the period 2007- 2011.

It will be noted that many high ranked intersections have already received treatment in recent years.

The value of Black Spot funding for ACT in 2014/15 is \$966,000. Some \$514,000 would remain available with the change in scope for the intersection of Captain Cook Cr / Jerrabomberra Ave / Sturt Ave.

Suggested projects for investigation for the 2014/15 Black Spot Program

INTERSECTION	REASON FOR INCLUSION	5 YEAR CRASH HISTORY (2007 – 2011)				NUMBER OF CASUALTY CRASHES IN 5 YEARS	BLACK SPOT RANKING
		Fatals	Serious Injuries	Minor Injuries	PDO		
Gungahlin Dr / Well Station Rd	Nominated by Roads ACT	0	1	4	25	5	52
Tharwa Dr / Duggan St	Nominated by Roads ACT	1	1	2	9	4	60

INTERSECTION	REASON FOR INCLUSION	5 YEAR CRASH HISTORY (2009 – 2013)				NUMBER OF CASUALTY CRASHES IN 5 YEARS	BLACK SPOT RANKING
		Fatals	Serious Injuries	Minor Injuries	PDO		
Belconnen Way / Benjamin Way	Nominated by Roads ACT	0	3	5	114	8	24
Northbourne Ave / Swinden St	Nominated by Roads ACT	0	3	4	11	7	26

MIDBLOCK	REASON FOR INCLUSION	5 YEAR CRASH HISTORY (2007 – 2011)				NUMBER OF CASUALTY CRASHES IN 5 YEARS	BLACK SPOT RANKING
		Fatals	Serious Injuries	Minor Injuries	PDO		
Tuggeranong Pkwy (Hindmarsh Dr-Sulwood Dr)	Nominated by Roads ACT	0	7	5	146	12	3
Tuggeranong Pkwy (Hindmarsh Dr-Cotter Rd)	Nominated by Roads ACT	0	3	7	146	10	8

In addition, the following sites have already been investigated, but were held over from the 2013/14 program. It is recommended that they be re-considered for the 2014/15 program once the additional investigations have been completed.

1. John Cleland Cr / Coulter Dr (investigated in 2013/14)
2. Tuggeranong Parkway between Lady Denman Dr – Cotter Rd (investigated in 2013/14)

It would be appropriate for another round of public nominations to be sought in advance of the 2015/16 program.

APPENDIX A

List of ACT Black Spot Funded Improvements

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
A00001	Pialligo Ave / Ulinga Pl	roundabout	\$350,000
A00006	Mouat St / Archibald St	turning lane	\$50,000
A00003	Southern Cross Dr / Chewings St	turning lane	\$100,000
A00002	Cotter Rd / Dudley St	reinforce priority	\$30,000
A00004	Empire Cir / Tasmania Cir	reinforce priority	\$100,000
A00009	Erindale Dr / Judkins St	turning lane	\$95,000
A00008	Northbourne Ave / Morphett St	pedestrian facilities	\$255,000
A000010	Johnson Dr / Monaro Highway	roundabout	\$380,000
A000013	Canberra Ave / Dominion Circuit	traffic islands	\$25,000
A000012	Kings Avenue / Parkes Way	line markings, signs, footpaths	\$60,000
A000014	Mugga Lane	line marking, signs, shoulder widening, removal of trees	\$173,000
A000015	Northbourne Ave / Elouera St	traffic lights	\$250,000
A000011	Limestone Ave / Anzac Parade	traffic lights	\$30,000 - <i>design only</i>
A000016	Captain Cook Cres / Stuart St	traffic lights	\$360,000
A000017	Cotter Rd / Dudley St	traffic lights	\$130,000
A000019	Ginninderra Drive/ William Webb Drive	traffic lights	\$350,000
A000021	Newman Morris Circuit/ Taverner Street	traffic lights	\$113,000
A000020	Wentworth Ave/ Mildura St	traffic islands	\$50,000
A03001	Limestone Ave / Anzac Parade	Roundabout	\$300,000
A03031	Cotter Rd / McCulloch St	traffic lights	\$315,000
A03003	Bowen Dr / King Edward Tce	intersection improvements	\$73,000
A03004	Hindmarsh Dr / Palmer St	traffic lights	\$400,000
A03011	Hindmarsh Dr / Tuggeranong Parkway East	intersection improvements	\$26,000
A03010	Erindale Dr / Sternberg Cr	intersection improvements	\$21,500
A03009	Canberra Ave / Eyre St	intersection improvements	\$41,000
A03008	Pialligo Ave / Sutton Rd	intersection improvements	\$27,500
A03007	Melrose St / Botany St	traffic lights	\$313,000
A03013	Moore St / Rudd St	intersection improvements	\$44,000

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
A03012	Antill St / Challis St	intersection improvements	\$29,000
A03006	Cotter Rd / Streeton Dr	intersection improvements	\$50,000
A03005	Parkes Way	Underpass design works	\$120,000
A03014	Sulwood Rd / Colquhoun Dr	Right turn lane	\$120,000 + \$90,000 var
A03015	Ashley Dr / Johnson Dr	Roundabout	\$200,000
A03016	Ashley Dr / Statton St	Sight distance improvements	\$25,000
A03017	Melrose Dr / Theodore Dr	Intersection improvements	\$27,000
A03018	Hindmarsh Dr / Eggleston Cres	Intersection improvements	\$21,000
A03019	Coulter Drive / Joynton Smith Drive	traffic lights	\$260,000
A03020	Streeton Drive / Darwinia Terrace	intersection improvements	\$108,000
A03021	Wentworth Avenue / Mildura Street and Leichhardt Street	intersection improvements	\$107,000
A03022	Sulwood Drive / Inkster Street	intersection improvements	\$87,000
A03023	Southern Cross Drive / Starke Street	intersection improvements	\$89,000
A03024	Coppins Crossing Road	Signage, barriers, lighting	\$22,000
A03025	Kuringa Drive / From Tillyard Drive to Kingsford Smith Drive	Signage and lighting	\$50,000
A03026	Emu Bank / From Eastern Valley Way to Soundy Close	Signage and lighting	\$15,500
A03027	Parkes Way/	Signage	\$19,000
A03028	Naas Road bridge approaches / Apollo Road to top of Naas Road	Signage and barriers	\$25,000
Nation Building			
	Captain Cook Cr / Stuart St	Signage, pavement improvements	\$43,467
	Point Hut Rd (Freshford Rd-Jim Pike Ave)	Signage & barriers	\$218,102
	Namatjira Dr / Streeton Dr	Signage & line marking	\$54,938
	Hindmarsh Dr / Tamar St	Pavement improvements	\$135,748
	Yamba Drive / Mawson Drive	traffic lights	\$524,000
	Hindmarsh Drive / Dalrymple Street	Upgrade road surface & improve signage	\$287,450
	Cooyong Street / Mort Street,	Install directional signage	\$170,450
	Northbourne Avenue / Morphett St	High angle approach for left turn from Morphett St	\$15,450
	Ginninderra Drive / Kingsford Smith Dr	Line marking & signage improvements	\$58,450
	Drakeford Drive / Erindale Drive	Upgrade traffic signals	\$325,450
	William Hovell Drive (Coppins Crossing Rd - Drake Brockman Dr)	Upgrade edge lines	\$70,450
	Luxton Street / Lathlain Street	Traffic lights	\$340,000
	Belconnen Way / Bindubi Street	Intersection improvements	\$70,450

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
	Athllon Drive / Drakeford Drive	Intersection improvements	\$252,250
	Oaks Estate Road / Pialligo Avenue,	Upgrade line marking	\$7,640
	Ginninderra Drive / Ellenborough St	Line marking & signage improvements	\$42,450
	Brindabella Road (Cotter Road - Uriarra Road)	Upgrade signage	\$17,750
	Cotter Road (Brindabella Road -Winslade Property Entrance)	Upgrade signage	\$7,640
	Athllon Drive (Sulwood Drive - Beasley Street	Upgrade edge lines	\$27,550
	Cowper Street / Limestone Avenue	Signal improvements	\$15,000
	Parks Way Clunies Ross St / Edinburgh Av	Signage and line marking improvements	\$128,000
	Canberra Avenue/ Eyre Street	Signage / line marking	\$29,000
	Hindmarsh Drive / Yamba Drive	Left turn improvements	\$530,000
	Yamba Drive / Melrose Drive	Channelization on roundabout	\$84,000
	Hindmarsh Drive / Melrose Drive	Design for intersection improvements	\$59,000
	Brierly Street / Hindmarsh Drive	Signage and line marking improvements	\$45,000
	Tidbinbilla Road (Corin Dam – Point Hut Rd)	Signage and barrier improvements	\$76,000
	Bolderwood Avenue / David Street	Installation of roundabout	\$128,000
	Paddy’s River Rd (Laurel Camp Rd – Discovery Dr)	Signage and barrier improvements	\$159,000
	Uriarra Road (Coppins Crossing Rd – Cotter Rd)	Signage and barrier improvements	\$59,000
	Northbourne Avenue / Antill Street	Left turn improvement and road resurfacing	\$555,000
	Kingsford Smith Drive / Kuringa Drive	Signage and intersection improvements	\$18,500
	Brisbane Avenue / State Circle	Signal, lighting improvements	\$28,000
	Wentworth Avenue / Burke Street	Signage and intersection improvements	\$21,800
	Anzac Parade / Blamey Crescent	New signals	\$200,000
	Drakeford Drive / Isabella Drive	Signage and line marking improvements	\$38,515
	Ginninderra Drive / Tillyard Drive	Signage, line marking, island, poles improvements	\$192,512
	Belconnen Way / Springvale Drive	Line marking and poles improvements	\$73,991
	Mugga Lane / Long Gully Road	Left turn storage, line marking pole improvements	\$271,910
	Mass Action Treatments (single vehicle crashes) at various locations	Warning signage, delineation, hazard removal	\$300,000
	College St / Haydon Dr	Pavement surface, traffic signal, light columns and minor intersection improvements	\$313,001
	Drakeford Dr / Summerland Cct South	Signage, line marking, hazard removal/protection	\$209,275
	Tharwa Drive/Box Hill Avenue	Improve visibility and lighting	\$62,637

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
	Girrahween Street /Limestone Avenue	Minor line marking improvements	\$25,600
	Coppins Crossing Road/William Hovell Drive	Reduction of speed limit	\$59,388
	Athllon Drive /Hindmarsh Drive	Signal improvements	\$193,224
	Southern Cross Drive /Kingsford Smith Drive	Signal improvements	\$162,415
	William Hovell Drive/Bindubi Street	Signal improvements	\$119,860
	Monaro Hwy (Hindmarsh Dr – Lanyon Dr)	Enhance speed limit signage. New flashing warning signs before Lanyon Dr	\$183,362
	Aikman Drive (Emu Bank – Townsend Pl)	Signalise pedestrian crossing	\$250,000
	Challis Street (Cape St – Morphett St)	Painted turn bays and lane definition	\$96,000
	Sandford Street / Gungahlin Drive	Signage improvements	\$16,000
	Kingsford Smith Drive / Spalding Street	Lane reduction	\$130,000
	Athllon Drive / Fincham Crescent	Line of sight improvements	\$40,000
	Macarthur Avenue / David Street / Wattle Street	Signals and signage improvements and upgrade of existing streetlight columns to frangible type	\$187,296
	Eggleston Crescent / Melrose Drive	Partial closure of median. No right turn out of Eggleston Cr	Cancelled
	MELROSE DR / CORINNA ST	speed limit 70km/h to 60 km/h Hindmarsh Dr - Yarra Glen minor intersection improvements	
	YAMBA DR / JULIA FLYNN AV (North)	Channelization in the median and new kerbing	
	CARRUTHERS EAST - YARRA GLENN NORTH RAMP / CARRUTHERS / YARRA GLENN NORTH - CARRUTHERS WEST RAMP	Traffic signal improvements and barrier improvements	
	BELCONNEN WAY / COULTER DR	Install signal mast arms and correct minor deficiencies	
	JERRABOMBERRA AV / CAPTAIN COOK CR / STURT AV	Signalise	
	DRAKEFORD DR / NOOROOMA ST	Correct minor deficiencies	
	DRAKEFORD DR / BARR-SMITH AV	Correct minor deficiencies	

APPENDIX B

BLACK SPOT RANKING 2012
CRASHES 1.01.2007 – 31.12.2011 (5 YRS)

INTERSECTION	5 yrs crashes	Casualty crashes in 2 yrs	Casualty crashes in 3 yrs	Casualty crashes in 5 yrs	Fatal	Serious injury	Minor injury	Comments
OAKS ESTATE RD / PIALIGO AVE	48	7	8	11		4	7	2008/09 BS Program
NORTHBOURNE AV / ANTILL ST/ MOUAT ST	208	3	5	10		1	9	2009/10 BS Program
EGGLESTON CR / MELROSE DR	31	7	9	9		5	4	2012/13 LCT Program
KINGS AVE / PARKES WAY / MORSHEAD DR	332	2	4	9		2	7	2010/11 CW Program
SOUTHERN CROSS DR / STARKE ST West	69	5	7	9		1	8	2012/13 CW Program
ATHLLON DR / MAWSON DR / BEASLEY ST	104	3	3	8		2	6	Considered at BS 2008/09
GINNINDERRA DR / TILLYARD DR	37	3	6	8		2	6	2010/11 BS Program
ATHLLON DR / DRAKEFORD DR / ISABELLA DR	179	5	6	8		1	7	2012/13 BS Program
MELROSE DR / YAMBA DR / YARRA GLEN	255	4	6	8			8	2009/10 BS Program
ANTHONY ROLFE AVE / MAWBY ST	52	7	8	8			8	Upgraded in 2011
BOX HILL AVE / THARWA DR / WOODCOCK AV	83	4	5	7		3	4	2011/12 Program
HINDMARSH DR / MELROSE DR	204	4	3	7		2	5	2011/12 CW Program
ANTILL ST / FEDERAL HWY	50	4	4	7		2	5	2008/09 CW Program
COPPING CROSSING RD / WILLIAM HOVELL DR	39	4	5	7		2	5	2010/11 BS Program
HINDMARSH DR / YAMBA DR	289	3	4	7		1	6	2009/10 BS Program
BELCONNEN WAY / GUNGAHLIN DR	102	5	6	7		1	6	New Signals 2009
LANYON DR / MONARO HWY	72	3	3	7		1	6	2012 CW Program
NORTHBOURNE AVE / LONDON CCT	144	3	4	7			7	Signals / Safety Camera
DRAKEFORD DR / WOODCOCK DR / JOHNSON DR	120	4	4	7			7	Re-seal in 2010
BARTON HWY / WILLIAM SLIM DR / GUNDAROO DR	437	3	3	7			7	Under investigation by Roads ACT
PIALLIGO AVE / SUTTON RD	13	2	5	7			7	2005/06 BS Program
DRAKEFORD DR / NOOROOMA ST	25	3	4	6	1	3	2	Proposed for 2013/14 BS Program
COWPER ST / LIMESTONE AVE / IPIMA ST	39	1		6	1		5	2009/10 BS Program
COULTER DR / JOHN CLELAND CR	26	3	3	6		4	2	Proposed for 2013/14 BS Program
MONARO HWY / MORSHEAD DR / PIALIGO AVE	121	5	6	6		3	3	Future CW Program – Majura Parkway
DAVID ST / MACARTHUR AVE / WATTLE ST	85	3	4	6		3	3	12/13 BS Program
NORTHBOURNE AVE / BARRY DR / COOYONG ST	197	4	4	6		2	4	Signals / Safety Camera
GINNINDERRA DR / KINGSFORD SMITH DR	87	4	6	6		2	4	2008/09 BS Program
MANUKA CIR / NSW CR // TELOPEA PARK	40	2	4	6		2	4	Considered at BS 2011/12 MNW 2014
DRAKEFORD DR / ERINDALE DR / SOWARD WAY	109	3	3	6		1	5	2008/09 BS Program
BARTON HWY / CURRAN DR	52	2	5	6		1	5	Considered at BS 2007/08
CARREYARRANRM / CARRUTHERS / YARRNCARRWRM	25	1	1	6		1	5	Proposed for 2013/14 BS Program
CANBERRA AVE / HINDMARSH DR / NEWCASTLE ST	183	3	4	6			6	2012/13 Program
BELCONNEN WAY / COULTER DR	128	1	1	6			6	Proposed for 2013/14 BS Program
BELCONNEN WAY / BINDUBI ST / EASTERN VALLEY WAY	121	1	2	6			6	2009/10 Program
CANBERRA AVE / IPSWICH ST / RAMP MONARO HWY STH	75	3	4	5	1	1	3	Signals. CW 2012
FLOREY DR / SOUTHERN CROSS DR	34	1	3	5	1		4	2012/13 CW Program
SYDNEY AVE / STATE CIR	19	3	4	5		4	1	Improvements 2012
BALDWIN DR / GINNINDERRA DR / HAYDON DR	198	2	3	5		3	2	Included in Lawson investigation
BARTON HWY / KURINGA DR / CLARRIE HERMES	44	2	4	5		3	2	New Signals 2012
LONG GULLY RD / MUGGA LN	19	2	3	5		3	2	2010/11 BS Program

INTERSECTION	5 yrs crashes	Casualty crashes in 2 yrs	Casualty crashes in 3 yrs	Casualty crashes in 5 yrs	Fatal	Serious injury	Minor injury	Comments
COLLEGE ST / HAYDON DR	52	1	1	5		2	3	2011/12 BS Program
BELCONNEN WAY / SPRINGVALE DR	32	1	5	5		2	3	2010/11 BS Program
CORANDERRK ST / PARKES WAY	426	2	2	5		1	4	NCA
HUME CIRCLE	273	3	3	5		1	4	Inv. BS 2013 NCA
ASHLEY DR / ISABELLA DR	188	3	3	5		1	4	Inv. BS 2013 – Included for future CW
NORTHBOURNE AVE / MORPHETT ST	65	1	3	5		1	4	2008/09 BS Program
BINDUBI ST / WILLIAM HOVELL DR	54	2	3	5		1	4	Signals BS 2010
MAWSON DR / YAMBA DR	50	2	4	5		1	4	2008/09 BS Program
ANZAC PDE / BLAMEY CR / CURRONG ST	33	2	4	5		1	4	2010/11 BS Program
ATHLLON DR / FINCHAM CR	31	3	4	5		1	4	Signs BS 2012
GUNGAHLIN DR / WELLS STATION	30	4	5	5		1	4	Proposed for inv.
KINGSFORD SMITH DR / SPALDING	17	3	5	5		1	4	2012/13 BS Program
SANDFORD ST / GUNGAHLIN DR	64	3	3	5			5	Signals BS 2012
DRAKEFORD DR / SUMMERLAND CRT / O'HALLORAN CCT sth	52	1	4	5			5	BS 2011
ASHLEY DR / CLIFT CR	40	2	2	5			5	Inv. BS 2007/08
MELROSE DR / THEODORE ST	38	4	3	5			5	2012/13 LCT Program
CANBERRA AVE / RAMP MONARO-CANBERRA WEST	35	2	2	4	1	1	2	CW 2012
BRIERLY ST / HINDMARSH DR	26	1	1	4	1	1	2	BS 2011
DUGGAN ST / THARWA DR	13	3	3	4	1	1	2	Proposed for inv.
ASHLEY DR / ERINDALE DR	159	2	3	4	1		3	CW 2013
HINDMARSH DR / HINDWMONASRM/ MONASHINDERM	61	2	3	4		2	2	
DOORING ST WAKEFIELD AVE	58	1	3	4		2	2	New Signals 09
GINNINDERRA DR / GINNEGUNGSRN/ GUNGSGINNERM	44	1	1	4		2	2	
FLEMINGTON RD / SANDFORD ST / MORISSET	29	1	3	4		2	2	New Signals 2011
CANBERRA AVE / GEELONG ST	19	3	3	4		2	2	
NORTHBOURNE AVE / SWINDEN ST	15	2	3	4		2	2	
BODDINGTON CR / MARCONI CR / DRAKEFORD DR	117	1	3	4		1	3	Red Light Camera
KINGSFORD SMITH DR / SOUTHERN CROSS DR	108	3	3	4		1	3	Signals New LEDs 2013
BELCONNEN WAY / HAYDON DR	101	0	2	4		1	3	
COMMONWEALTH AVE / CORONATION DR / QUEEN VICTORIA	99	3	3	4		1	3	Signals
COOYONG ST / MORT ST	83	1	3	4		1	3	2008/09 BS Program
HAYDON DR / MARY POTTER (SW)	84	3	4	4		1	3	Signals
GUNGAHLIN DR / KOSCIUSZKO AVE / THE VALLEY	34	4	3	4		1	3	
CORINNA ST / MELROSE DR	32	1	3	4		1	3	Proposed for 2013/14 BS Program
FAIRFAX ST / MILLER ST / MACARTHUR AVE	30	2	2	4		1	3	
CASTIEAU ST / KINGSFORD SMITH DR	23	3	4	4		1	3	
GIRRAHWEEN ST / LIMESTONE AVE / GRIMES ST	21	0	2	4		1	3	Signs
BARRY DR / MOORE ST	20	2	2	4		1	3	
FLYNN DR / STATE CIR	7	2	3	4		1	3	
BARTON HWY / WALLAROO RD	4	2	4	4		1	3	
ATHLLON DR / DRAKEFORD DR	245	3	3	4			4	
ATHLLON DR / CALLAM ST/ HINDMARSH DR	197	4	4	4			4	Signals
DRAKEFORD DR / SULWOOD DR	139	2	2	4			4	
COULTER DR / LUXTON / SOUTHERN CROSS DR	118	2	3	4			4	
ATHLLON DR / SULWOOD DR	100	3	4	4			4	
GIRRAHWEEN ST / NORTHBOURNE AVE / MASSON ST	58	2	3	4			4	
BELCONNEN WAY / KINGSFORD SMITH DR	56	3	4	4			4	
COTTER RD / URIARRA RD	50	2	2	4			4	
BENJAMIN WAY / CHAN ST / CAMERON AVE	40	3	3	4			4	
ANTHONY ROLFE AVE / ROSANNA ST /	33	4	3	4			4	

INTERSECTION	5 yrs crashes	Casualty crashes in 2 yrs	Casualty crashes in 3 yrs	Casualty crashes in 5 yrs	Fatal	Serious injury	Minor injury	Comments
WIZARD ST								
EGGLESTON CR / HINDMARSH DR	33	1	2	4			4	
GOZZARD ST / ERNEST CAVANAGH ST	26	2	3	4			4	
CAPTAIN COOK CR / STURT AVE / JERRABOMBERRA AVE	25	1	2	4			4	Proposed for 2013/14 BS Program
ANTHONY ROLFE AVE / GOZZARD ST	23	4	4	4			4	
CANBERRA AVE / DOMINION CCT	18	2	2	4			4	
ASHLEY DR / BUGDEN AVE	18	3	3	4			4	
BALDWIN DR / MARIBYRNONG AVE STH	17	0	2	4			4	2012/13 CW Program
PHILLIP AVE / WINDEYER ST	13	2	4	4			4	
CANBERRA AVE / NATIONAL CCT	22	2	2	3	1	1	1	
AIKMAN DR / GINNINDERRA DR	85	1	2	3	1		2	
ASHLEY DR / STERNBERG CR	21	2	3	3	1		2	
COMRIE ST / STERNBERG CR	18	1	1	3	1		2	
BENHAM ST / ISABELLA DR	15	1	2	3	1	1	1	
JULIA FLYNN AVE / YAMBA DR	6	3	3	3	1	1	1	Proposed for 2013/14 BS Program
BENJAMIN WAY / EMU BANK	32		2	3		3		
CLANCY ST / WILLIAM WEBB DR	12	2	2	3		3		
DUMAS ST / WILLIAM SLIM DR	16	1	2	3		2	1	
HOVEA ST / MACARTHUR AVE	13	2	3	3		2	1	
BANGALAY CR / HINDMARSH DR	10	2	2	3		2	1	
ROSS SMITH CR / SOUTHERN CROSS DR	9	2	3	3		2	1	
HINDMARSH DR/ HINDWTUGGSRM / TUGGSHINDERM	118	2	3	3		1	2	
BELCONNEN WAY / BENJAMIN WAY	102	2	3	3		1	2	
HINDMARSH DR / JERRABOMBERRA AVE	61	2	3	3		1	2	
MONARO HWY/ MUGGA LN	52	3	3	3		1	2	
KING EDWARD TCE / BOWEN DR / DOROTHY TANGNEY PL	50			3		1	2	NCA Works
CONDAMINE ST / NORTHBOURNE AVE / IPIMA ST	46	3	3	3		1	2	
COYNE ST / HAMBIDGE CR / ISABELLA DR	44	1	1	3		1	2	
ELOUERA ST / GOULD ST / NORTHBOURNE AVE	43	1	1	3		1	2	
BARTON HWY / GUNGWBARTSRM	38	0	1	3		1	2	
GIRRAHWEEN ST / TORRENS ST	29	0	2	3		1	2	
CANBERRA AVE / GILES ST	26	1	2	3		1	2	
KINGS AVE / STATE CIR	26	1	1	3		1	2	
KINGSFORD SMITH DR / KURINGA DR	25			3		1	2	
AKUNA ST / BUNDA ST	24	1	2	3		1	2	
COSSINGTON SMITH CRES / ELLENBOROUGH ST	20	2	2	3		1	2	
MONANMORSHWRM / MONARO HWY	19	0	0	3		1	2	Proposed for future CW
BOLDREWOOD ST / DAVID ST / MILLER ST	19		1	3		1	2	2009/10 BS Program
HINDMARSH DR / TYAGARAH ST	18	1	1	3		1	2	Investigated BS 2013
COTTER RD / COTTWTUGGSRM / TUGGSCOTTERM	17	1	3	3		1	2	
JULIA FLYNN AVE / YAMBA DR (SW)	16	1	3	3		1	2	
ATHLLON DR / BEASLEY ST (SW)	16	2	2	3		1	2	
ANTILL ST / MELBA ST	15	3	3	3		1	2	
NATIONAL CCT / SYDNEY AVE	13	2	3	3		1	2	
HINDMARSH DR / MCINNES ST	13	1	2	3		1	2	
BUGDEN AVE / CASTLETON AVE	8			3		1	2	
MURDOCH ST / NORTHBOURNE AVE	7	1	1	3		1	2	
CANBERRA AVE / MCMILLAN ST	7	2	2	3		1	2	
CURRONG ST / EUREE ST	7	3	3	3		1	2	
GUNDAROO DR / GUNGAHLIN DR	125	0	1	3			3	
BARTON HWY / FEDERAL HWY / NORTHBOURNE AVE	99	2	2	3			3	
BUNDA ST / NORTHBOURNE AVE / RUDD ST	68	2	2	3			3	
COULTER DR / GINNINDERRA DR	66	2	2	3			3	
BARRY DR / NORTH RD / MCCAUGHEY ST	64	1	1	3			3	2012/13 CW Program
ELLENBOROUGH ST / MOUAT ST / GINNINDERRA DR	57	1	2	3			3	2008/09 BS Program
ANGAS ST / IJONG ST / LIMESTONE AVE	47	3	3	3			3	

INTERSECTION	5 yrs crashes	Casualty crashes in 2 yrs	Casualty crashes in 3 yrs	Casualty crashes in 5 yrs	Fatal	Serious injury	Minor injury	Comments
BARRY DR / MARCUS CLARKE ST	43	2	2	3			3	
ATHLLON DR / LANGDON ST / ATKINS ST	42	2	2	3			3	
BENJAMIN WAY / COLLEGE ST	37	2	3	3			3	
ANZAC PDE / CONSTITUTION AVE	34	1	3	3			3	2012 NCA Works
COTTER RD / COTTETUGGNRM / TUGGNCOTTWRM	30	2	2	3			3	
AINSLIE AVE / DOONKUNA ST	29	1	2	3			3	
ANKETELL ST / ATHLLON DR	29		1	3			3	
BARTON HWY / ELLEWBARTNRM	25	3	3	3			3	
GUNGAHLIN DR / KOSCIUSZKO AVE (SW)	25	1	1	3			3	
HEARD ST / MAWSON DR	24	3	3	3			3	
ERINDALE DR / TAVERNER ST / HARRICKS CR	24	1	1	3			3	
BARR SMITH AVE / DRAKEFORD DR	24	2	3	3			3	Proposed for 2013/14 BS Program
CANBERRA AVE / EYRE ST / LEFROY ST	22			3			3	2009/10 BS Program
BATTYE ST / HAYDON DR	20	2	2	3			3	
HOSKINS ST / SANDFORD ST	19	2	2	3			3	
CANBERRA AVE / DAWES ST / LOCKYER ST	18	1	2	3			3	
ALEXANDRINA DR / CORONATION DR / FLYNN DR	17	2	2	3			3	
MULLEY ST / STREETON DR	15	1	1	3			3	
DIXON DR / STREETON DR	15	1	2	3			3	Proposed for future CW
PERTH AVE / STATE CIR	10		1	3			3	
BARNARD CCT / KREFFT ST	7		3	3			3	
KERRIGAN ST / SHAKESPEARE CR (NORTH)	5	2	3	3			3	

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MIDBLOCK	5 yrs crashes	Casualty crashes in 2 yrs	Casualty crashes in 3 yrs	Casualty crashes in 5 yrs	Fatal	Serious injury	Minor injury	Comments
COTTER RD (PICNIC RD – MT STROMLO RD)	30	6	9	14		7	7	2008/09 BS Program
TUGGERANONG PKWY (GREEW TUGGSRM-TUGGSCOTTERM)	110	4	8	13		3	10	Investigated BS 2013
TUGGERANONG PKWY (HINDWTUGGSRM-DRAKEFORD/SULWOOD)	158	4	6	12		7	5	Proposed for investigation
KINGS HWY (BORDER ACT/NSW-HQJOC ACCESS RD)	24	4	8	11	1	4	6	2011/12 CW Program
PARKES WAY (GLENLOCH INTERCHANGE -PARKWLADYSRM)	124	4	9	11		1	10	2011/12 CW Program
COPPINS CROSSING RD (URIARRA RD-WILLIAM HOVELL DR)	63	3	6	11		4	7	2007/08 BS Program
PARKES WAY (CLUNSPARKERM-PARKEEDINNRM/LAWSNPARKWRM)	102	8	8	11			11	2007/08 BS Program
TUGGERANONG PKWY (COTTWTUGGSRM/TUGGNCOTTWRM-TUGGSHINDERM)	156	4	6	10		3	7	Proposed for investigation
MONARO HWY (HINDWMONASRM-PRISSON ACCESS ROAD)	50	5	8	10		2	8	
KURINGA DR (KINGSFORD SMITH DR-TILLYARD DR)	35	7	8	9	1	3	5	2007/08 BS Program
ATHLLON DR (BEASLEY ST-SULWOOD DR)	46	3	6	9		4	5	2008/09 BS Program
MAJURA RD (MUSTANG AVE-AVONLEY RD)	54	6	8	9		3	6	
PADDYS RIVER RD (COTTER RD-LAUREL CAMP RD)	15	2	5	8	1		7	
NORTHBOURNE AVE (CONDAMINE ST - MACARTHUR AVE)	98	6	6	8		2	6	
LADY DENMAN DR (COTTER RD-BARRENJOEY DR)	41	1	3	8		2	6	Re-seal 2010

MIDBLOCK	5 yrs crashes	Casualty crashes in 2 yrs	Casualty crashes in 3 yrs	Casualty crashes in 5 yrs	Fatal	Serious injury	Minor injury	Comments
GUNDAROO DR (GINN ST-GUNGAHLIN DR)	109	5	6	8			8	
WILLIAM HOVELL DR (COPPINS CROSSING RD-DRAKE BROCKMAN DR)	70	4	4	7			7	2008/09 BS Program
POINT HUT RD (JIM PIKE AVE-FRESHFORD)	17	2	4	6	1	3	2	2008/09 BS Program
PADDYS RIVER RD (LAUREL CAMP RD-TIDBINBILLA TRACKING STN)	12	3	4	6		5	1	2009/10 BS Program
HINDMARSH DR (TYAGARAH ST-TAMAR ST)	42	2	5	6		4	2	
MONARO HWY (MONANMORSWRM-NEWCWMONANRM)	48	3	6	6		3	3	
GUNGAHLIN DR (BELCEGUNGSRM RAMP/GUNGSBELCERM RAMP-GINNEGUNGSRM RAMP)	63	5	6	6		2	4	
CHALLIS ST (CAPE ST-MORPHETT ST)	23	4	5	6		1	5	
WILLIAM HOVELL DR (BINDUBI ST-COULTER DR)	75	4	4	6			6	
AIKMAN DR (EMU BANK-TOWNSEND PL)	69	4	4	6			6	
HORSE PARK DR (ANTHONY ROLFE AVE-MAPLETON AVE)	7	5	5	5	1	1	3	
LANYON DR (SHEPPARD ST-BORDER ACT/NSW)	33	3	4	5	1		4	
COTTER RD (YARRALUMLA WOOLSHEAD RD – COTTWTUGGSRM/TUGGSCOTTERM)	24	1	2	5		3	2	
CORIN RD (CORIN RD – CORIN RD)	9	1	2	5		3	2	
MAJURA RD (HECTOR MCINTOSH -MOUNT MAJURA RD)	23	2	3	5		1	4	
NORTHBOURNE AVE (ANTILL ST-MURDOCH ST)	58	2	3	5			5	
BELCONNEN WAY (BARRY DR-GUNGAHLIN DR)	48	2	4	5			5	
GLADSTONE ST (WOLLONGONG ST – ALBANY ST)	43	5	5	5			5	
LONSDALE ST (ELOUERA ST – COOYONG ST)	39	3	4	5			5	
COMMONWEALTH AVE (ALBERT ST – CORKHILL ST)	38	1	2	4	1	1	2	
PARKES WAY (ANZAC PDE - KINGS AVE)	46	2	4	4	1		3	
MAJURA RD (AVONLEY RD - MT MAJURA ACCESS	38	2	3	4	1		3	
LAUREL CAMP RD(PADDYS RIVER RD – OAKEY CREEK)	5	2	2	4	1	1	2	
BARRY DR (BARRNDRYASRM-CLUNIES ROSS/FROGGATT)	45	1	1	4		2	2	
HINDMARSH DR (DALRYMPLE ST-TAMAR ST)	26	2	3	4		2	2	
BARRY DR (BELCONNEN WAY – FRITEBARRNRM)	23	3	3	4		2	2	
LONG GULLY RD (ERNDALE DR-MUGGA LN)	29	2	2	4		2	2	
THARWA DR (LAWRENCE WACKETT CR-LAWRENCE WACKETT CR)	7		1	4		2	2	
URIARRA RD (COPPINS CROSSING RD-COTTER RD)	13			4		2	2	
BLACK MOUNTAIN DR (BLACK MOUNTAIN TOWER-CLUNIES ROSS ST)	11		3	4		2	2	

MIDBLOCK	5 yrs crashes	Casualty crashes in 2 yrs	Casualty crashes in 3 yrs	Casualty crashes in 5 yrs	Fatal	Serious injury	Minor injury	Comments
BARTON HWY (GOLD CREEK RD-GUNDAROO DR)	11	1	3	4		1	3	
WILLIAM HOVELL DR (BINDUBI – GLENLOCH INTERCHANGE)	63	1	2	4			4	
MUGGA LN (JOHN CORY RD-LONG GULLY RD)	23		1	4			4	
CAPITAL CIR (CANBERRA AVE – ADELAIDE AVE)	12	4	4	4			4	
THARWA DR (DRAKEFORD DR-MENTONE VIEW)	17	1	1	3	1	1	1	
GINNINDERRA DR (KINGSFORD SMITH DR – COMPANION CR)	15	1	2	3	1	1	1	
KURINGA DR (BARTON HWY – OWEN DIXON DR)	10	2	3	3	1		2	
KINGSFORD SMITH DR(WIRRAWAY ST – FINDLAY ST)	9	2	2	3	1		2	
URIARRA RD(FAIRLIGHT –STROMLO FOREST PARK)	5	1	2	3	1		2	
CORINNA ST (BREWER ST – JULIANA ST)	34		1	3		3		
CANBERRA AVE (TOM PRICE ST – WOODS LA)	73	1	2	3		2	1	
FLEMINGTON RD (EPIC ACCESS RD-RANDWICK RD)	20	1	2	3		2	1	
BRINDABELLA RD (COTTER RD-URIARRA RD)	17	S		3		2	1	2008/09 BS Program
BOBOYAN RD (NAAS RD-ORRRORAL RD)	9	1	3	3		2	1	
SMITHS RD (ANGLE CROSSING RD-NAAS RD)	7		1	3		2	1	
JOHNSON DR(ASHLEY DR – ELLERSTON AVE)	8		3	3		2	1	
TUGGERANONG PKWY (TUGGNWILLNRM – TUGGSGREEWRM)	86	1	2	3		1	2	
EMU BANK (BENJAMIN WAY – SOUNDY CL/VERYARD)	51	2	3	3		1	2	
MONARO HWY (LANYON DR – SHEPPARD)	47	2	2	3		1	2	
NORTHBOURNE AVE (ALINGA ST – BUNDA ST/ RUDD ST)	39	1	2	3		1	2	
MUGGA LN(NARRABUNDAH ST – HINDMARSH DR/DALRYMLE ST)	28	1	3	3		1	2	
FEDERAL HWY (VETERINARY HOSPITAL – PHILLIP AVE)	25	2	2	3		1	2	
MONARO HWY (MONANNEWCWRM – MONANCANBWRM)	21	1	2	3		1	2	
BOWEN DR (BRISBANE AVE-KINGSBOWESRM)	14			3		1	2	
ATHLLON DR(ATKINS ST – SULWOOD DR)	11	2		3		1	2	
COTTER RD (EUCUMBENE DR-MOUNT STROMLO RD)	4			3		1	2	
COMMONWEALTH AVE (CORKHILL ST – COMMNPARKWRM/PARKWCOMMNSR M)	13	3	3	3		1	2	
NARRABUNDAH LN (SUNDOWN – MUGGA LN)	10	2	2	3		1	2	
MONARO HWY (ANGLE CROSSING RD-BORDER ACT/NSW)	11	2	3	3		1	2	
BUGDEN AVE (MAUGHAN CR-PARTRIDGE ST)	3			3		1	2	
CHAN ST (BENJAMIN WAY-LATHLAIN ST)	11		2	3		1	2	
BRIGALOW ST (LONGSTAFF ST – HALL ST)	4		3	3		1	2	

MIDBLOCK	5 yrs crashes	Casualty crashes in 2 yrs	Casualty crashes in 3 yrs	Casualty crashes in 5 yrs	Fatal	Serious injury	Minor injury	Comments
CLIFT CR (MAY GIBBS CL-HEAGNEY CR)	5			3		1	2	
CANBERRA AVE(NORSSCANBWRM – CANBENORSNRM)	11	1	2	3		1	2	
COMMONWEALTH AVE (FLYNWCOMMNRM - ALBERT ST)	149	2	2	3			3	
NORTHBOURNE AVE (ANTILL ST-SWINDEN ST)	55	1	2	3			3	
DRAKEFORD DR (BODDINGTON CR-SULWOOD DR)	41	2	3	3			3	
FAIRBAIRN AVE(MORSHEAD DR – ADDISON ST)	36	3	3	3			3	
NEWCASTLE ST (COLLIE ST-WOLLONGONG ST)	26	1	1	3			3	
ADELAIDE AVE (ADELESTATNRM – STATNADELWRM)	25		1	3			3	
MONARO HWY (OLD TUGGERANONG RD – THARWA DR)	20		2	3			3	
PIALLIGO AVE (GLENORA AVE – AIR DISASTER)	16	1	2	3			3	
HORSE PARK DR (HORSEFEDENRM – ANTHONY ROLFE AVE)	11	3	3	3			3	
CAPITAL CIR(STATWCAPINRM – COMMONWEALTH AVE/ COMMSPARLERM)	13	3	3	3			3	
LADY DENMAN DR(GARRYOWEN – GREENHILLS)	8	3	3	3			3	
URIARRA RD (BRINDABELLA RD-MOUNTAIN CREEK RD)	4	3	3	3			3	
CONSTITUTION AVE (LONDON CIR – ALLARA ST)	6			3			3	

92 MIDBLOCKS

TOTAL LOCATIONS = 260 (168 intersections + 92 midblocks)

APPENDIX C



Date 14 November 2013

Roads ACT
ACT Department of Urban Services
Macarthur House
12 Wattle Street
Lyneham ACT 2602

Attention: Pawel Potapowicz

BLACK SPOT IMPROVEMENTS 2013-14 INTERSECTION UPGRADE CAPTAIN COOK CRES / JERRABOMBERRA AV/ STURT AV

I am writing to advise of the review of recommendations of improvements at the above intersection as part of our design and documentation brief for the Black Spot Improvements program.

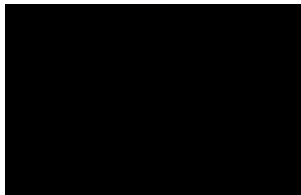
Additional information has come to light regarding the collision history over the past 5 years and in particular the incidence of a fatal collision at this location in June 2012, not long before the original analysis and for which details have subsequently become available. Incorporating the details of this incident in the analysis alters the outcomes of the financial evaluation leading to the conclusion that the provision of traffic signal control of this intersection is economically justified.

The economic analysis of the investment in traffic signals at this location using parameters specified by the Federal Government for the Black Spot Improvement Program (5 year collision history and 10 year evaluation period) produces a Benefit/Cost ratio of 7.61 @ 7%, well in excess of the B/C ratio of 2.0 required to justify expenditure in that Federal Government program.

The sensitivity of this analysis to assumptions was tested by defraying the costs associated with the fatal collision over 10 years rather than the 5 years normally adopted in the standard analysis. This conservative assumption did not alter the conclusion, reducing the B/C ratio to 4.36 @ 7%, still well above the 2.0 cut-off point specified by the Federal Government. Copies of the analysis spreadsheets are attached.

On the basis of the economic analysis, we conclude that upgrading this intersection to traffic signal control is warranted with the analysis indicating that economic savings in collision costs to the community far exceeds the capital cost of undertaking the improvement. On that basis we recommend upgrading this intersection to traffic signal control.

Yours sincerely



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14 November 2013

Pawel Potapowitz
Roads ACT
GPO Box 158
Canberra ACT 2601

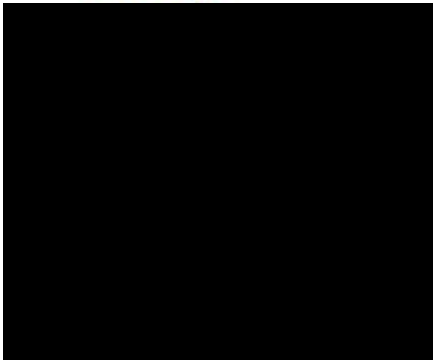
Dear Pawel

Black Spot Improvements Captain Cook Crescent / Jerrabomberra Avenue / Sturt Avenue

We refer to our earlier Black Spot Report for this intersection dated 13 May 2013. We are in receipt of the RD Gossip Pty Ltd letter dated 14 November 2013 and note that since we undertook our study, more recent crash history has become available, including one fatality crash.

AECOM has reviewed the findings provided by RD Gossip which include that fatal collision and agree with the revised assessment and their recommendation for signalised control.

Yours sincerely





**ACT BLACK SPOT
CONSULTATIVE PANEL**

Meeting No 29

BRIEFING NOTES

May 2014

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3. ACT BLACK SPOT IDENTIFICATION PROCESS	5
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Appendix A – List of ACT Black Spot Funded Improvements

1. INTRODUCTION

To date, 108 projects have been funded in the ACT under the AusLink / Nation Building Black Spot Program. A list of these projects is at Appendix A.

The Australian Government will provide \$300 million (\$60 million per annum) to extend the Black Spot Program for a further 5 years from 2014-15 to 2018-19.

Additional funding under the Asset Recycling Fund Projects – Infrastructure Growth Package – New Investments will be provided by the Federal Government in 2015/15 and 2016/17 totalling \$3.22 million (\$1.61 million per annum).

The program will continue to fund relatively low cost safety works such as roundabouts, crash barriers and street lighting in places where there have been serious crashes or where serious crashes are likely to occur.

The value of Nation Building Black Spot funding for the ACT in 2014/15 is \$966,000.

Details of the general requirements for Black Spot projects are outlined in the Black Spot Program Notes on Administration.

www.auslink.gov.au/publications/administration/index.aspx

The Territory and Municipal Services Directorate's (TAMS) applies these requirements in the following way:

- 1) The objective is to treat sites with demonstrated serious crash rates
- 2) The sites need to be amenable to cost effective treatment with a Benefit to Cost cut off at 2.0
- 3) Projects also need to be able to be delivered in a specific time frame.

2. ACT CRASH DEFINITIONS

The following standard definitions are used to define crash severity in the ACT:

Fatal crash	a motor vehicle crash which involves at least one fatality within 30 days of the crash taking place
Injury crash	a motor vehicle crash where at least one person receives injuries that require medical attention either at the scene of the crash or in hospital
Property damage crash	a motor vehicle crash where no fatalities or injuries result but damage to property is sustained.

Typically in the ACT about 8,000 on-road motor vehicle crashes occur annually. The associated breakdown of crash severity is:

Fatal	0.1%
Injury	5.0%
Property	94.9%

3. ACT BLACK SPOT IDENTIFICATION PROCESS

The following approach is adopted for selecting Black Spot sites in the ACT:

- 1) For intersections: identify locations which meet the crash history criteria. The minimum eligibility criterion is a history of at least 3 casualty crashes over a 5 year period. Locations where no positive controls exist are given preference for selection if crash rates and rankings are similar.

For mid blocks: a similar process is followed for a section of road.

- 2) Identify cost effective solutions and rank on the basis of the benefit/cost ratio.

In addition to the above, up to 30% of Nation Building Black Spot funds may be used for the treatment of sites that may not meet the crash history criteria, but which have been recommended as part of an official road safety audit report.

Treatments that can be delivered in the year that funding is available are given preference when other criteria are similar.

(See the Nation Building Black Spot Program Notes on Administration for further details).

- 3) Under the “safe system” / Vision Zero methodology, safety issues are increasingly being addressed at the network level using the “mass application of engineering treatments”. In 2010, Roads ACT completed a study to investigate which mass engineering treatments are most suitable to address the 3 most frequent crash types in the ACT (single vehicle, rear end, right angle). It has developed a program of works to address single vehicle crashes.

The program of treatments to address single vehicle crashes was included in the 2010-11 program, and included curve delineation improvements, high visibility advanced warning signage and hazard removal/protection.

Roads ACT has now completed an investigation of mass action engineering treatments to address right angle crashes and is investigating a potential package of works for the future program.

4. CURRENT STATUS OF 2013/14 PROJECTS

Table 1

Locations	Treatment Type	Funding	Expenditure	Update
Black Spot Projects 2013/14 \$966,000				
MELROSE DR / CORINNA ST	Reduction of speed limit from 70km/h to 60 km/h between Hindmarsh Dr and Yarra Glen and minor intersection improvements inc. upgrade of light columns to non frangible type	230,000	34,800	Construction
YAMBA DR / JULIA FLYNN AV (North)	Channelization in the median and new kerbing	95,000	23,142	Construction
CARRUTHERS EAST - YARRA GLENN NORTH RAMP / CARRUTHERS / YARRA GLENN NORTH - CARRUTHERS WEST RAMP	Traffic signal improvements and barrier improvements	180,000	41,775	Construction
BELCONNEN WAY / COULTER DR	Install signal mast arms and correct minor deficiencies	388,000	46,691	Construction
JERRABOMBERRA AV / CAPTAIN COOK CR / STURT AV*	Signals	45,000	9,329	Design Only
DRAKEFORD DR / NOOROOMA ST	correct minor deficiencies	20,500	12,749	Construction
DRAKEFORD DR / BARR-SMITH AV	correct minor deficiencies	26,000	8,243	Construction
TOTAL		\$984,500	\$176,729	

*Jerrabomberra Av/ Captain Cook Cr – previously to reduce northbound Jerrabomberra Av to one lane. Additional funding for signals approved \$452,000

Saving from 2012/13 program totals \$63,342

5. UPDATE ON FEASIBILITY STUDIES FOR 2013/14 PROGRAM

As requested by the Black Spot Panel the following locations were investigated further with the summary of the results shown in Table 2 below.

INTERSECTIONS OF:

(ranked by the number of casualty crashes in 5 years);

- GUNGAHLIN DR / WELL STATION RD (5)
- THARWA DR / DUGGAN ST (4)

MIDBLOCKS OF:

- TUGGERANONG PKWY (HINDMARSH DR-SULWOOD DR) (12)
- TUGGERANONG PKWY (HINDMARSH DR-COTTER RD) (10)

Table 2

Location	Est. BCR	* RSA	Study Findings	Est. Cost (\$)	Roads ACT Position	** Funding \$
TUGGERANONG PKWY (HINDMARSH DR-COTTER RD)	Treatment 1 – 7.2 Treatment 2 – 3.9 Treatment 3 – 1.6 Treatment 4 – 2.6 Treatment 5 – 13.7 Treatment 6 - RSA		Treatment 1 : Reduce speed from 100km/h to 90 km/h Treatment 2 : Fixed signs informing motorist not to tailgate Treatment 3 : Animal fencing Treatment 4 : Linemarking on Hindmarsh Dr on ramp improvements Treatment 5 : Barrier on approach to Cotter Rd Treatment 6 : Guide post and sump improvements	Treatment 1 – 20k Treatment 2 – 32k Treatment 3 – 576k Treatment 4 – 4.4k Treatment 5 – 6k Treatment 6 – 13.6k	Recommended for the 2015/16 program All treatments with BCR >2+RSA	113,000
TUGGERANONG PKWY (HINDMARSH DR- SULWOOD DR)	Treatment 1 - 4.3 Treatment 2 – 3.8 Treatment 3 – 1.2 Treatment 4 – 2.5 Treatment 5 - 2.3 Treatment 6 – 1.4 (RSA) Treatment 7 - RSA		Treatment 1 : Reduce speed from 100km/h to 90 km/h Treatment 2 : Fixed signs informing motorist not to tailgate Treatment 3 : Animal fencing Treatment 4 Install roadside lighting Treatment 5 : Raise concrete median Treatment 6 : Provide advance signal warning before Sulwood Dr Treatment 7 : Signage, guide post and sump improvements	Treatment 1 – 20k Treatment 2 – 32k Treatment 3 – 576k Treatment 4 – 268k Treatment 5 – 301k Treatment 6 – 31k Treatment 7 – 47.4k	Recommended for the 2015/16 program All treatments with BCR >2+RSA	956,000
THARWA DR / DUGGAN ST	2.77	-	Separation of left turn deceleration lane and minor median modifications	200,000	Recommended for 2014/15 program	280,000
GUNGAHLIN DR / WELL STATION RD	2.12	-	High angle approach on the left turn out of Well Station plus signals upgrade	134,000	Recommended for 2014/15 program	191,000

*RSA - Roads Safety Audit recommendations.

**Funding includes procurement fees, feasibility studies costs and contingencies.

7. SUGGESTED PROGRAM FOR 2014/15

The total allocation of Nation Building Black Spot Program funding for ACT in 2014/2015 is \$966,000.

Sites approved by the panel for the 2014/15 program: \$744,500

- JERRABOMBERRA AV / CAPTAIN COOK CR / STURT AV(Continuation from 2013/14 program)
- JOHN CLELAND / COULTER DR
- MIDBLOCK - TUGGERANONG PKWY (LADY DENMAN DR-COTTER RAMP EAST)

Remaining funding available \$221,500 plus saving from 2012/13 of \$63,342 hence the total available funding is \$266,342. .

Roads ACT recommend that the intersection with the highest BCR be included in the 2014/15 program.

It would be appropriate for another round of public nominations to be sought in advance of the 2015/16 program.

Table 3

Locations for 2013/14	Treatment Type	*Req. Funding	Update
JERRABOMBERRA AV / CAPTAIN COOK CR / STURT AV**	Signals	452,000	Approved
JOHN CLELAND / COULTER DR	Install STOP signs	22,500	Awaiting Federal Approval
MIDBLOCK - TUGGERANONG PKWY (LADY DENMAN DR-COTTER RAMP EAST)	Animal Fencing and correction of minor deficiencies	270,000	Awaiting Federal Approval
THARWA DR / DUGGAN ST	Separation of left turn deceleration lane and minor median modifications	280,000	Awaiting Panel Approval
TOTAL		\$1,024,500	

*Funding includes procurement fees feasibility studies costs and contingencies.

**Continuation of the 2013/14 project.

APPENDIX A

List of ACT Black Spot Funded Improvements

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
A00001	Pialligo Ave / Ulinga Pl	roundabout	\$350,000
A00006	Mouat St / Archibald St	turning lane	\$50,000
A00003	Southern Cross Dr / Chewings St	turning lane	\$100,000
A00002	Cotter Rd / Dudley St	reinforce priority	\$30,000
A00004	Empire Cir / Tasmania Cir	reinforce priority	\$100,000
A00009	Erindale Dr / Judkins St	turning lane	\$95,000
A00008	Northbourne Ave / Morphett St	pedestrian facilities	\$255,000
A000010	Johnson Dr / Monaro Highway	roundabout	\$380,000
A000013	Canberra Ave / Dominion Circuit	traffic islands	\$25,000
A000012	Kings Avenue / Parkes Way	line markings, signs, footpaths	\$60,000
A000014	Mugga Lane	line marking, signs, shoulder widening, removal of trees	\$173,000
A000015	Northbourne Ave / Elouera St	traffic lights	\$250,000
A000011	Limestone Ave / Anzac Parade	traffic lights	\$30,000 - <i>design only</i>
A000016	Captain Cook Cres / Stuart St	traffic lights	\$360,000
A000017	Cotter Rd / Dudley St	traffic lights	\$130,000
A000019	Ginninderra Drive/ William Webb Drive	traffic lights	\$350,000
A000021	Newman Morris Circuit/ Taverner Street	traffic lights	\$113,000
A000020	Wentworth Ave/ Mildura St	traffic islands	\$50,000
A03001	Limestone Ave / Anzac Parade	Roundabout	\$300,000
A03031	Cotter Rd / McCulloch St	traffic lights	\$315,000
A03003	Bowen Dr / King Edward Tce	intersection improvements	\$73,000
A03004	Hindmarsh Dr / Palmer St	traffic lights	\$400,000
A03011	Hindmarsh Dr / Tuggeranong Parkway East	intersection improvements	\$26,000
A03010	Erindale Dr / Sternberg Cr	intersection improvements	\$21,500
A03009	Canberra Ave / Eyre St	intersection improvements	\$41,000
A03008	Pialligo Ave / Sutton Rd	intersection improvements	\$27,500
A03007	Melrose St / Botany St	traffic lights	\$313,000
A03013	Moore St / Rudd St	intersection improvements	\$44,000

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
A03012	Antill St / Challis St	intersection improvements	\$29,000
A03006	Cotter Rd / Streeton Dr	intersection improvements	\$50,000
A03005	Parkes Way	Underpass design works	\$120,000
A03014	Sulwood Rd / Colquhoun Dr	Right turn lane	\$120,000 + \$90,000 var
A03015	Ashley Dr / Johnson Dr	Roundabout	\$200,000
A03016	Ashley Dr / Statton St	Sight distance improvements	\$25,000
A03017	Melrose Dr / Theodore Dr	Intersection improvements	\$27,000
A03018	Hindmarsh Dr / Eggleston Cres	Intersection improvements	\$21,000
A03019	Coulter Drive / Joynton Smith Drive	traffic lights	\$260,000
A03020	Streeton Drive / Darwinia Terrace	intersection improvements	\$108,000
A03021	Wentworth Avenue / Mildura Street and Leichhardt Street	intersection improvements	\$107,000
A03022	Sulwood Drive / Inkster Street	intersection improvements	\$87,000
A03023	Southern Cross Drive / Starke Street	intersection improvements	\$89,000
A03024	Coppins Crossing Road	Signage, barriers, lighting	\$22,000
A03025	Kuringa Drive / From Tillyard Drive to Kingsford Smith Drive	Signage and lighting	\$50,000
A03026	Emu Bank / From Eastern Valley Way to Soundy Close	Signage and lighting	\$15,500
A03027	Parkes Way/	Signage	\$19,000
A03028	Naas Road bridge approaches / Apollo Road to top of Naas Road	Signage and barriers	\$25,000
Nation Building			
	Captain Cook Cr / Stuart St	Signage, pavement improvements	\$43,467
	Point Hut Rd (Freshford Rd-Jim Pike Ave)	Signage & barriers	\$218,102
	Namatjira Dr / Streeton Dr	Signage & line marking	\$54,938
	Hindmarsh Dr / Tamar St	Pavement improvements	\$135,748
	Yamba Drive / Mawson Drive	traffic lights	\$524,000
	Hindmarsh Drive / Dalrymple Street	Upgrade road surface & improve signage	\$287,450
	Cooyong Street / Mort Street,	Install directional signage	\$170,450
	Northbourne Avenue / Morphett St	High angle approach for left turn from Morphett St	\$15,450
	Ginninderra Drive / Kingsford Smith Dr	Line marking & signage improvements	\$58,450
	Drakeford Drive / Erindale Drive	Upgrade traffic signals	\$325,450
	William Hovell Drive (Coppins Crossing Rd - Drake Brockman Dr)	Upgrade edge lines	\$70,450
	Luxton Street / Lathlain Street	Traffic lights	\$340,000
	Belconnen Way / Bindubi Street	Intersection improvements	\$70,450

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
	Athllon Drive / Drakeford Drive	Intersection improvements	\$252,250
	Oaks Estate Road / Pialligo Avenue,	Upgrade line marking	\$7,640
	Ginninderra Drive / Ellenborough St	Line marking & signage improvements	\$42,450
	Brindabella Road (Cotter Road - Uriarra Road)	Upgrade signage	\$17,750
	Cotter Road (Brindabella Road -Winslade Property Entrance)	Upgrade signage	\$7,640
	Athllon Drive (Sulwood Drive - Beasley Street)	Upgrade edge lines	\$27,550
	Cowper Street / Limestone Avenue	Signal improvements	\$15,000
	Parks Way Clunies Ross St / Edinburgh Av	Signage and line marking improvements	\$128,000
	Canberra Avenue/ Eyre Street	Signage / line marking	\$29,000
	Hindmarsh Drive / Yamba Drive	Left turn improvements	\$530,000
	Yamba Drive / Melrose Drive	Channelization on roundabout	\$84,000
	Hindmarsh Drive / Melrose Drive	Design for intersection improvements	\$59,000
	Brierly Street / Hindmarsh Drive	Signage and line marking improvements	\$45,000
	Tidbinbilla Road (Corin Dam – Point Hut Rd)	Signage and barrier improvements	\$76,000
	Bolderwood Avenue / David Street	Installation of roundabout	\$128,000
	Paddy's River Rd (Laurel Camp Rd – Discovery Dr)	Signage and barrier improvements	\$159,000
	Uriarra Road (Coppins Crossing Rd – Cotter Rd)	Signage and barrier improvements	\$59,000
	Northbourne Avenue / Antill Street	Left turn improvement and road resurfacing	\$555,000
	Kingsford Smith Drive / Kuringa Drive	Signage and intersection improvements	\$18,500
	Brisbane Avenue / State Circle	Signal, lighting improvements	\$28,000
	Wentworth Avenue / Burke Street	Signage and intersection improvements	\$21,800
	Anzac Parade / Blamey Crescent	New signals	\$200,000
	Drakeford Drive / Isabella Drive	Signage and line marking improvements	\$38,515
	Ginninderra Drive / Tillyard Drive	Signage, line marking, island, poles improvements	\$192,512
	Belconnen Way / Springvale Drive	Line marking and poles improvements	\$73,991
	Mugga Lane / Long Gully Road	Left turn storage, line marking pole improvements	\$271,910
	Mass Action Treatments (single vehicle crashes) at various locations	Warning signage, delineation, hazard removal	\$300,000
	College St / Haydon Dr	Pavement surface, traffic signal, light columns and minor intersection improvements	\$313,001
	Drakeford Dr / Summerland Cct South	Signage, line marking, hazard removal/protection	\$209,275
	Tharwa Drive/Box Hill Avenue	Improve visibility and lighting	\$62,637

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
	Girrahween Street /Limestone Avenue	Minor line marking improvements	\$25,600
	Coppins Crossing Road/William Hovell Drive	Reduction of speed limit	\$59,388
	Athllon Drive /Hindmarsh Drive	Signal improvements	\$193,224
	Southern Cross Drive /Kingsford Smith Drive	Signal improvements	\$162,415
	William Hovell Drive/Bindubi Street	Signal improvements	\$119,860
	Monaro Hwy (Hindmarsh Dr – Lanyon Dr)	Enhance speed limit signage. New flashing warning signs before Lanyon Dr	\$183,362
	Aikman Drive (Emu Bank – Townsend Pl)	Signalise pedestrian crossing	\$250,000
	Challis Street (Cape St – Morphett St)	Painted turn bays and lane definition	\$96,000
	Sandford Street / Gungahlin Drive	Signage improvements	\$16,000
	Kingsford Smith Drive / Spalding Street	Lane reduction	\$130,000
	Athllon Drive / Fincham Crescent	Line of sight improvements	\$40,000
	Macarthur Avenue / David Street / Wattle Street	Signals and signage improvements and upgrade of existing streetlight columns to frangible type	\$187,296
	Eggleston Crescent / Melrose Drive	Partial closure of median. No right turn out of Eggleston Cr	Cancelled
	MELROSE DR / CORINNA ST	speed limit 70km/h to 60 km/h Hindmarsh Dr - Yarra Glen minor intersection improvements	
	YAMBA DR / JULIA FLYNN AV (North)	Channelization in the median and new kerbing	
	CARRUTHERS EAST - YARRA GLENN NORTH RAMP / CARRUTHERS / YARRA GLENN NORTH - CARRUTHERS WEST RAMP	Traffic signal improvements and barrier improvements	
	BELCONNEN WAY / COULTER DR	Install signal mast arms and correct minor deficiencies	
	JERRABOMBERRA AV / CAPTAIN COOK CR / STURT AV	Signalise	
	DRAKEFORD DR / NOOROOMA ST	Correct minor deficiencies	
	DRAKEFORD DR / BARR-SMITH AV	Correct minor deficiencies	

BLACK SPOT PROGRAMME ACT CONSULTATIVE PANEL

Meeting No 30

21 November 2014

10:00 – 11:00 am

Level 7, Macarthur House, Lyneham ACT

Attendees

Zed Seselja, Senator for ACT - Chair

[REDACTED] (Department of Infrastructure and Transport, DoIT)

[REDACTED] (NRMA Motoring and Services)

[REDACTED] (Australasian College of Road Safety, ACRS)

Geoffrey Davidson (Road Safety Policy, JACS)

Amanda Casimir (Roads ACT)

Pawel Potapowicz (Roads ACT)

Jayanthi Vikneson (Roads ACT)

Absent with apologies

Rifaat Shoukrallah (Roads ACT)

[REDACTED] (Pedal Power, PP)

[REDACTED] (Motorcycle Riders Association ACT, MRA)

Absent

[REDACTED] (National Capital Authority, NCA)

Observer

[REDACTED]

1. Introduction and confirmation of draft agenda

Mr Seselja welcomed members to the meeting, and confirmed the agenda items.

2. Matters arising

The minutes from the previous meeting in May 2014 were accepted.

3. Progress update on 2013/14 and 2014/15 projects

Roads ACT provided a progress report on the projects in the 2013/14 and 2014/15 programs.

The Gungahlin Drive/ Well Station Drive project has been removed from the 2014/15 program as it will be included for upgrade under the early works package for Capital Metro.

All other projects are on track, within budget and planned to be completed on schedule.

4. Panel’s consideration of projects for the 2015/16 program

Roads ACT tabled the list of 14 project nominations received by Mr Seselja’s office (refer to page 8 of the Briefing Notes for Meeting 30).

Roads ACT advised that only 8 of the nominated projects meet the Black Spot criteria; however, the Dalrymple Street/ Hindmarsh Drive intersection is a former Black Spot project from 2009 which was evaluated in 2012 and showed a post-construction reduction in crashes, and most of the other 7 projects already have future works planned for implementation.

The only public nominated project that was viable was the Ellerston Drive/Ashley Drive intersection; however, this had a Black Spot ranking of 215.

Roads ACT advised that the total allocation of Nation Building Black Spot Program funding for ACT in 2015/2016 is \$966,000 with additional \$1.61 million totalling \$2.576 million.

Projects that were approved by the panel at the previous meeting for the 2015/16 program would cost \$1,898,000. These projects are:

- MIDBLOCK - Tuggeranong Pkwy (Hindmarsh Dr - Sulwood Dr)
- MIDBLOCK - Tuggeranong Pkwy (Hindmarsh Dr - Cotter Rd)

The remaining funding available was \$678,000.

Roads ACT recommend that the highest ranking intersection, Pialligo Avenue /Oaks Estate Road be signalised. The BCR for this project is 1.58. Roads ACT also recommend that the public nominated intersection of Ginninderra Drive/Coulter Drive be included in the 2015/16 program. The BCR for this project is 1.49.

The panel discussed the recommended treatments for the Pialligo Avenue /Oaks Estate Road and Ginninderra Drive/Coulter Drive projects.

The panel endorsed the following package of works for the 2015/16 program:

Locations for 2015/16	Treatment Type	*Req. Funding
Pialligo Ave / Oaks Estate Rd	Signals	605,000
Coulter Dr / Ginninderra Dr	Left turn and on road cycling improvements	197,000
MIDBLOCK - Tuggeranong Pkwy (Hindmarsh Dr-Sulwood Dr)	Animal Fencing, road side lighting, advance warning signals sign at Sulwood Dr and correction of minor deficiencies	1,150,000
MIDBLOCK - Tuggeranong Pkwy (Hindmarsh Dr-Cotter Rd)	Animal Fencing, Linemarking improvements, Barrier upgrade and correction of minor deficiencies	748,000
TOTAL		\$2,700,000

Action – Proposed program to be recommended to the Federal Minister for approval.

7. Other business

Roads ACT asked the panel to consider nominating sites for investigation for the 2016/17 program.

Current locations under investigation by Roads ACT include the following intersections:

- Kingsford Smith Drive / Southern Cross Drive
- Belconnen Way / Benjamin Way
- Monaro Hwy / Mugga Lane
- Boddington Crescent / Drakeford Drive / Marconi Crescent

Action – Mr Seselja’s office to liaise with Roads ACT on the appropriate timing to call for public nominations for the 2016/17 program.

Mr Seselja requested that the Ellerston Drive/Ashley Drive intersection be investigated for the 2016/17 program. The panel agreed to this request.

Action – Roads ACT to include the Ellerston Drive/Ashley Drive intersection for investigation.

JACS advised that Minister Corbell had received representations about traffic concerns on Paddy’s River Road, and enquired if the road could be investigated under the Black Spot Program. Roads ACT advised they will check if the road met the Black Spot criteria. [REDACTED] advised that the section of Cotter Road adjacent to Paddy’s River Road should also be investigated.

Action – Roads ACT to check if Paddy’s River Road and Cotter Road met Black Spot criteria and report back at next meeting.

JACS advised that [REDACTED] manuscript on Road Safety in the ACT was being reviewed by Minister Corbell, and would subsequently be uploaded on the JACS website.

8. Next meeting

No date was set for the next meeting; however Roads ACT will organise one next year at which a list of sites for investigation and consideration for the 2016/17 program will be prepared by Roads ACT.

Action – Roads ACT to set a date for the next meeting following liaison with Mr Seselja’s office.

Mr Seselja thanked the Panel members for attending and closed the meeting.



**ACT BLACK SPOT
CONSULTATIVE PANEL**

Meeting No 30

BRIEFING NOTES

November 2014

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2. ACT CRASH DEFINITIONS	4
3. ACT BLACK SPOT IDENTIFICATION PROCESS	5
4. CURRENT STATUS ON 2013/14 PROJECTS	6
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Appendix A – List of ACT Black Spot Funded Improvements

1. INTRODUCTION

To date, 108 projects have been funded in the ACT under the AusLink / Nation Building Black Spot Program. A list of these projects is at Appendix A.

The Australian Government will provide \$300 million (\$60 million per annum) to extend the Black Spot Program for a further 5 years from 2014-15 to 2018-19.

Additional funding under the Asset Recycling Fund Projects – Infrastructure Growth Package – New Investments will be provided by the Federal Government in 2015/15 and 2016/17 totalling \$3.22 million (\$1.61 million per annum).

The program will continue to fund relatively low cost safety works such as roundabouts, crash barriers and street lighting in places where there have been serious crashes or where serious crashes are likely to occur.

The value of Nation Building Black Spot funding for the ACT in 2015/16 is \$966,000 + additional \$1.61 million totalling \$2.576 million.

Details of the general requirements for Black Spot projects are outlined in the Black Spot Program Notes on Administration.

www.auslink.gov.au/publications/administration/index.aspx

The Territory and Municipal Services Directorate's (TAMS) applies these requirements in the following way:

- 1) The objective is to treat sites with demonstrated serious crash rates
- 2) The sites need to be amenable to cost effective treatment with a Benefit to Cost cut off at 1.0
- 3) Projects also need to be able to be delivered in a specific time frame.

2. ACT CRASH DEFINITIONS

The following standard definitions are used to define crash severity in the ACT:

Fatal crash	a motor vehicle crash which involves at least one fatality within 30 days of the crash taking place
Injury crash	a motor vehicle crash where at least one person receives injuries that require medical attention either at the scene of the crash or in hospital
Property damage crash	a motor vehicle crash where no fatalities or injuries result but damage to property is sustained.

Typically in the ACT about 8,000 on-road motor vehicle crashes occur annually. The associated breakdown of crash severity is:

Fatal	0.1%
Injury	5.0%
Property	94.9%

3. ACT BLACK SPOT IDENTIFICATION PROCESS

The following approach is adopted for selecting Black Spot sites in the ACT:

- 1) For intersections: identify locations which meet the crash history criteria. The minimum eligibility criterion is a history of at least 2 casualty crashes over a 5 year period. Locations where no positive controls exist are given preference for selection if crash rates and rankings are similar.

For mid blocks: a similar process is followed for a section of road.

- 2) Identify cost effective solutions and rank on the basis of the benefit/cost ratio.

In addition to the above, up to 40% of Nation Building Black Spot funds may be used for the treatment of sites that may not meet the crash history criteria, but which have been recommended as part of an official road safety audit report.

Treatments that can be delivered in the year that funding is available are given preference when other criteria are similar.

(See the Nation Building Black Spot Program Notes on Administration for further details).

- 3) Under the “safe system” / Vision Zero methodology, safety issues are increasingly being addressed at the network level using the “mass application of engineering treatments”. In 2010, Roads ACT completed a study to investigate which mass engineering treatments are most suitable to address the 3 most frequent crash types in the ACT (single vehicle, rear end, right angle). It has developed a program of works to address single vehicle crashes.

The program of treatments to address single vehicle crashes was included in the 2010-11 program, and included curve delineation improvements, high visibility advanced warning signage and hazard removal/protection.

Roads ACT has now completed an investigation of mass action engineering treatments to address right angle crashes and is investigating a potential package of works for the future program.

4. CURRENT STATUS OF 2013/14 PROJECTS

Table 1

Locations	Treatment Type	Funding	Expenditure	Update
Black Spot Projects 2013/14 \$966,000				
MELROSE DR / CORINNA ST	Reduction of speed limit from 70km/h to 60 km/h between Hindmarsh Dr and Yarra Glen and minor intersection improvements inc. upgrade of light columns to non frangible type	230,000	228,457	Complete
YAMBA DR / JULIA FLYNN AV (North)	Channelization in the median and new kerbing	95,000	94,135	Complete
CARRUTHERS EAST - YARRA GLENN NORTH RAMP / CARRUTHERS / YARRA GLENN NORTH - CARRUTHERS WEST RAMP	Traffic signal improvements and barrier improvements	180,000	178,653	Complete
BELCONNEN WAY / COULTER DR	Install signal mast arms and correct minor deficiencies	388,000	400,829	Complete
JERRABOMBERRA AV / CAPTAIN COOK CR / STURT AV*	Signals	45,000	21,658	Design
DRAKEFORD DR / NOOROOMA ST	correct minor deficiencies	20,500	20,586	Complete
DRAKEFORD DR / BARR-SMITH AV	correct minor deficiencies	26,000	26,106	Complete
TOTAL		\$984,500	\$970,424	

*Jerrabomberra Av/ Captain Cook Cr – previously to reduce northbound Jerrabomberra Av to one lane.
Additional funding for signals approved \$452,000

Saving from 2012/13 program totals \$63,342

4.1. CURRENT STATUS OF 2014/15 PROJECTS

Table 2

Locations	Treatment Type	Funding	Expenditure	Update
Black Spot Projects 2014/15 \$966,000				
JERRABOMBERRA AV / CAPTAIN COOK CR / STURT AV*	Signals	497,000	0	Design
JOHN CLELAND / COULTER DR	Install STOP signs	22,500	0	Design
MIDBLOCK - TUGGERANONG PKWY (LADY DENMAN DR-COTTER RAMP EAST)	Animal Fencing and correction of minor deficiencies	270,000	0	Design
THARWA DR / DUGGAN ST	Separation of left turn deceleration lane and minor median modifications	280,000	0	Design
GUNGAHLIN DR / WELL STATION DR**	Install signal mast arms and correct minor deficiencies	-100,000	0	Removed from Program
TOTAL		\$1,069,500	\$0	

*Jerrabomberra Av/ Captain Cook Cr – 2013/14 previously to reduce northbound Jerrabomberra Av to one lane. Additional funding for signals approved 2014/15 \$452,000

**Included for upgrade as early works package for Capital Metro

5. PROJECTS FOR CONSIDERATION AT THIS MEETING

5.1 PROJECT NOMINATIONS RECEIVED BY MR SESELJA'S OFFICE

Table 3

INTERSECTIONS	MEETS BLACK SPOT CRITERIA	COMMENTS
Haydon Drive and Purdie Street	No	(pedestrians concerns)
Launceston Street and Hindmarsh Drive	Yes	Under investigation for Capital Works improvements
Coulter Drive	No	
Kerrigan Street and Lhotsky Street	No	
Launceston Street and Hindmarsh Drive + Eggleston Crescent and Hindmarsh Drive	Yes	Under investigation for Capital Works improvements
Eggleston Crescent and Hindmarsh Drive	Yes	Under investigation for Capital Works improvements
Wattle Street and Scrivener Street	No	
Gundaroo Drive and Gungahlin Drive	Yes	Gundaroo Dr planned for future duplication
Dalrymple Street / Hindmarsh Drive	Yes	Former Black Spot – crash reductions
Bottleneck at Gungahlin Drive and Gundaroo Drive leading up to Mirrabai Drive	Yes	Gundaroo Dr planned for future duplication
Tharwa Drive from Monaro Highway and Tharwa Drive concerns with new ESA facility	No	
Ellerston Drive and Ashley Drive	Yes	
Wells Station Road and Gungahlin Drive	Yes	Planned for improvements as part of Capital Metro.
Warwick Street and Valley Avenue -	No	Concerns with traffic congestion

Table 4

INTERSECTION	REASON FOR INCLUSION	5 YEAR CRASH HISTORY (2009 – 2013)				NUMBER OF CASUALTY CRASHES IN 5 YEARS	BLACK SPOT RANKING
		Fatals	Serious Injuries	Minor Injuries	PDO		
Eggleston Crescent and Hindmarsh Drive Drive	Nominated by Public	0	0	6	31	6	52
Wells Station Road and Gungahlin Drive	Nominated by Public	0	1	4	59	5	64
Ellerston Drive and Ashley Drive	Nominated by Public	0	0	2	17	2	215
Dalrymple Street / Hindmarsh Drive	Nominated by Public	0	0	2	46	2	222
Gundaroo Drive and Gungahlin Drive	Nominated by Public	0	1	1	130	2	295
Launceston Street and Hindmarsh Drive	Nominated by Public	0	0	2	26	2	300

5.2. PROJECTS SUGGESTED BY ROADS ACT

Projects with completed feasibility studies:

Table 5

LOCATION	NUMBER OF CASUALTY CRASHES IN 5 YEARS	BLACK SPOT RANKING
Pialligo Ave / Oaks Estate Rd intersection	11	1
Tuggeranong Pkwy (Hindmarsh Dr-Sulwood Dr) midblock	12	3
Tuggeranong Pkwy (Hindmarsh Dr-Cotter Rd) midblock	10	8

Table 6

LOCATION	REASON FOR INCLUSION	5 YEAR CRASH HISTORY (2007 – 2011)				NUMBER OF CASUALTY CRASHES IN 5 YEARS	BLACK SPOT RANKING
		Fatals	Serious Injuries	Minor Injuries	PD O		
Pialligo Ave / Oaks Estate Rd intersection	Nominated by Roads ACT	0	4	7	48	11	1
Tuggeranong Pkwy (Hindmarsh Dr-Sulwood Dr) midblock	Nominated by Panel	0	7	5	158	12	3
Tuggeranong Pkwy (Hindmarsh Dr-Cotter Rd) midblock	Nominated by Panel	0	3	7	156	10	8

6. SUGGESTED PROGRAM FOR 2015/16

The total allocation of Nation Building Black Spot Program funding for ACT in 2015/2016 is \$966,000 with additional \$1.61 million totalling \$2.576 million.

Sites studied previously that meet the eligibility criteria and were recommended by the panel for the 2015/16 program: \$2,058,285

- MIDBLOCK - Tuggeranong Pkwy (Hindmarsh Dr-Sulwood Dr) BCR 1.7
- MIDBLOCK - Tuggeranong Pkwy (Hindmarsh Dr-Cotter Rd) BCR 6

Remaining funding available \$517,715.

Roads ACT recommend that the highest ranking intersection Pillage Avenue / Oaks Estate Road be upgraded to full signalisation. The BCR based on the study carried out by Roads ACT is 1.58, which meets the current eligibility criteria and be included in the 2015/16 program.

Table 7

Locations for 2015/16	Treatment Type	*Req. Funding	Update
Pillage Ave / Oaks Estate Rd	Signals	605,000	Awaiting Panel Approval
MIDBLOCK - Tuggeranong Pkwy (Hind marsh Dr-Sulwood Dr)	Animal Fencing, road side lighting, advance warning signals sign at Sulwood Dr and correction of minor deficiencies	1,247,085	Awaiting Federal Approval
MIDBLOCK - Tuggeranong Pkwy (Hindmarsh Dr-Cotter Rd)	Animal Fencing, Linemarking improvements, Barrier upgrade and correction of minor deficiencies	811,200	Awaiting Federal Approval
TOTAL		\$2,663,284	

*Funding includes procurement fees feasibility studies costs and contingencies.

APPENDIX A

List of ACT Black Spot Funded Improvements

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
A00001	Pialligo Ave / Ulinga Pl	roundabout	\$350,000
A00006	Mouat St / Archibald St	turning lane	\$50,000
A00003	Southern Cross Dr / Chewings St	turning lane	\$100,000
A00002	Cotter Rd / Dudley St	reinforce priority	\$30,000
A00004	Empire Cir / Tasmania Cir	reinforce priority	\$100,000
A00009	Erindale Dr / Judkins St	turning lane	\$95,000
A00008	Northbourne Ave / Morphett St	pedestrian facilities	\$255,000
A000010	Johnson Dr / Monaro Highway	roundabout	\$380,000
A000013	Canberra Ave / Dominion Circuit	traffic islands	\$25,000
A000012	Kings Avenue / Parkes Way	line markings, signs, footpaths	\$60,000
A000014	Mugga Lane	line marking, signs, shoulder widening, removal of trees	\$173,000
A000015	Northbourne Ave / Elouera St	traffic lights	\$250,000
A000011	Limestone Ave / Anzac Parade	traffic lights	\$30,000 - <i>design only</i>
A000016	Captain Cook Cres / Stuart St	traffic lights	\$360,000
A000017	Cotter Rd / Dudley St	traffic lights	\$130,000
A000019	Ginninderra Drive/ William Webb Drive	traffic lights	\$350,000
A000021	Newman Morris Circuit/ Taverner Street	traffic lights	\$113,000
A000020	Wentworth Ave/ Mildura St	traffic islands	\$50,000
A03001	Limestone Ave / Anzac Parade	Roundabout	\$300,000
A03031	Cotter Rd / McCulloch St	traffic lights	\$315,000
A03003	Bowen Dr / King Edward Tce	intersection improvements	\$73,000
A03004	Hindmarsh Dr / Palmer St	traffic lights	\$400,000
A03011	Hindmarsh Dr / Tuggeranong Parkway East	intersection improvements	\$26,000
A03010	Erindale Dr / Sternberg Cr	intersection improvements	\$21,500
A03009	Canberra Ave / Eyre St	intersection improvements	\$41,000
A03008	Pialligo Ave / Sutton Rd	intersection improvements	\$27,500
A03007	Melrose St / Botany St	traffic lights	\$313,000
A03013	Moore St / Rudd St	intersection improvements	\$44,000

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
A03012	Antill St / Challis St	intersection improvements	\$29,000
A03006	Cotter Rd / Streeton Dr	intersection improvements	\$50,000
A03005	Parkes Way	Underpass design works	\$120,000
A03014	Sulwood Rd / Colquhoun Dr	Right turn lane	\$120,000 + \$90,000 var
A03015	Ashley Dr / Johnson Dr	Roundabout	\$200,000
A03016	Ashley Dr / Statton St	Sight distance improvements	\$25,000
A03017	Melrose Dr / Theodore Dr	Intersection improvements	\$27,000
A03018	Hindmarsh Dr / Eggleston Cres	Intersection improvements	\$21,000
A03019	Coulter Drive / Joynton Smith Drive	traffic lights	\$260,000
A03020	Streeton Drive / Darwinia Terrace	intersection improvements	\$108,000
A03021	Wentworth Avenue / Mildura Street and Leichhardt Street	intersection improvements	\$107,000
A03022	Sulwood Drive / Inkster Street	intersection improvements	\$87,000
A03023	Southern Cross Drive / Starke Street	intersection improvements	\$89,000
A03024	Coppins Crossing Road	Signage, barriers, lighting	\$22,000
A03025	Kuringa Drive / From Tillyard Drive to Kingsford Smith Drive	Signage and lighting	\$50,000
A03026	Emu Bank / From Eastern Valley Way to Soundy Close	Signage and lighting	\$15,500
A03027	Parkes Way/	Signage	\$19,000
A03028	Naas Road bridge approaches / Apollo Road to top of Naas Road	Signage and barriers	\$25,000
Nation Building			
	Captain Cook Cr / Stuart St	Signage, pavement improvements	\$43,467
	Point Hut Rd (Freshford Rd-Jim Pike Ave)	Signage & barriers	\$218,102
	Namatjira Dr / Streeton Dr	Signage & line marking	\$54,938
	Hindmarsh Dr / Tamar St	Pavement improvements	\$135,748
	Yamba Drive / Mawson Drive	traffic lights	\$524,000
	Hindmarsh Drive / Dalrymple Street	Upgrade road surface & improve signage	\$287,450
	Cooyong Street / Mort Street,	Install directional signage	\$170,450
	Northbourne Avenue / Morphett St	High angle approach for left turn from Morphett St	\$15,450
	Ginninderra Drive / Kingsford Smith Dr	Line marking & signage improvements	\$58,450
	Drakeford Drive / Erindale Drive	Upgrade traffic signals	\$325,450
	William Hovell Drive (Coppins Crossing Rd - Drake Brockman Dr)	Upgrade edge lines	\$70,450
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	Tharwa Drive/Box Hill Avenue	Improve visibility and lighting	\$62,637

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
	Girrahween Street /Limestone Avenue	Minor line marking improvements	\$25,600
	Coppins Crossing Road/William Hovell Drive	Reduction of speed limit	\$59,388
	Athllon Drive /Hindmarsh Drive	Signal improvements	\$193,224
	Southern Cross Drive /Kingsford Smith Drive	Signal improvements	\$162,415
	William Hovell Drive/Bindubi Street	Signal improvements	\$119,860
	Monaro Hwy (Hindmarsh Dr – Lanyon Dr)	Enhance speed limit signage. New flashing warning signs before Lanyon Dr	\$183,362 183,200
	Aikman Drive (Emu Bank – Townsend Pl)	Signalise pedestrian crossing	\$250,000
	Challis Street (Cape St – Morphett St)	Painted turn bays and lane definition	\$96,000
	Sandford Street / Gungahlin Drive	Signage improvements	\$16,000
	Kingsford Smith Drive / Spalding Street	Lane reduction	\$130,000
	Athllon Drive / Fincham Crescent	Line of sight improvements	\$40,000
	Macarthur Avenue / David Street / Wattle Street	Signals and signage improvements and upgrade of existing streetlight columns to frangible type	\$187,296
	Eggleston Crescent / Melrose Drive	Partial closure of median. No right turn out of Eggleston Cr	Cancelled
	MELROSE DR / CORINNA ST	speed limit 70km/h to 60 km/h Hindmarsh Dr - Yarra Glen minor intersection improvements	
	YAMBA DR / JULIA FLYNN AV (North)	Channelization in the median and new kerbing	
	CARRUTHERS EAST - YARRA GLENN NORTH RAMP / CARRUTHERS / YARRA GLENN NORTH - CARRUTHERS WEST RAMP	Traffic signal improvements and barrier improvements	
	BELCONNEN WAY / COULTER DR	Install signal mast arms and correct minor deficiencies	
	JERRABOMBERRA AV / CAPTAIN COOK CR / STURT AV	Signalise	
	DRAKEFORD DR / NOOROOMA ST	Correct minor deficiencies	
	DRAKEFORD DR / BARR-SMITH AV	Correct minor deficiencies	

BLACK SPOT PROGRAMME ACT CONSULTATIVE PANEL

Meeting No 28

20 February 2014

10:00 – 11:30 am

Level 7, Macarthur House, Lyneham ACT

Attendees

Zed Seselja, Senator for ACT - Chair

[REDACTED] (Department of Infrastructure and Transport, DoIT)

[REDACTED] (Australasian College of Road Safety, ACRS)

[REDACTED] Pedal Power, PP)

[REDACTED] (NRMA Motoring and Services)

[REDACTED] (Motorcycle Riders Association ACT, MRA)

[REDACTED] (National Capital Authority, NCA)

Geoffrey Davidson (Road Safety Policy, JACS)

Rifaat Shoukrallah (Roads ACT)

David Quinlan (Roads ACT)

Pawel Potapowicz (Roads ACT)

Jayanthi Vikneson (Roads ACT)

1. Introduction and confirmation of draft agenda

Mr Seselja welcomed members to the meeting, and confirmed the agenda items.

2. Matters arising

The minutes from the previous meeting in May 2013 were accepted.

3. Public information policy

Members noted the public information policy. The policy was accepted.

4. Progress update on 2012/13 projects

Roads ACT provided a progress report on the projects in the 2012/13 program.

The Eggleston Cr/Melrose Dr project was removed from the program due to community concerns. Signalisation of this intersection will be completed in 2013/14 through Roads ACT's Capital Works Program.

All other projects have been completed.

5. Current status of 2013/14 program

Roads ACT provided a progress report on the construction of projects in the 2013/14 program.

Roads ACT advised that, following further crash analysis on the Jerrabomberra Av/ Captain Cook Cr/Sturt Av intersection, the design consultant recommended that this intersection be signalised. Roads ACT added that this intersection had many safety concerns, and numerous requests have been received from the public for its signalisation and will still meet funding criteria. However, this would entail a variation to the scope of the project, as well as additional funding of \$452,000. Roads ACT suggested that this project be designed in the 2013/14 program and funding for its construction be allocated from the 2014/15 program.

The panel accepted this recommendation and agreed to construct this project under the 2014/15 program. The Panel also requested that the final design be circulated upon completion.

Action – Roads ACT to liaise with [REDACTED] and vary the scope for Jerrabomberra Av/ Captain Cook Cr/Sturt Av intersection.

Action – Roads ACT to circulate the design to the Panel for this intersection once it is completed.

Roads ACT advised that all other projects in the 2013/14 program will be completed by June 2014.

6. Panel's consideration of projects for the 2014/15 program

Roads ACT explained the process of selecting, investigating, recommending and approving a package of works for the next financial year.

Roads ACT suggested the following 6 sites for investigation

Intersections of

- Gungahlin Dr / Well Station Rd
- Tharwa Dr / Duggan St
- Belconnen Way / Benjamin Way
- Northbourne Ave / Swinden St

Midblocks of

- Tuggeranong Pkwy (Hindmarsh Dr-Sulwood Dr)
- Tuggeranong Pkwy (Hindmarsh Dr-Cotter Rd)

Roads ACT also suggested that the following sites, which had already been investigated but were held over from the 2013/14 program, be re-considered for the 2014/15 program once the additional investigations have been completed.

1. John Cleland Cr / Coulter Dr (investigated in 2013/14)

2. Tuggeranong Parkway between Lady Denman Dr – Cotter Rd (investigated in 2013/14)

█ requested that details of casualty crashes (i.e. the number of cyclists and motorcyclists) at each location be provided.

Action – Roads ACT to provide details of casualty crashes at the above locations for investigation to Pedal Power and MRA.

Roads ACT recommended that the 2014/15 package consist of the Jerrabomberra Av intersection, the construction of the 2 projects investigated in 2013/14 (John Cleland Cr/Coulter Dr intersection and midblock of Tuggeranong Parkway between Lady Denman Dr – Cotter Rd) and feasibility studies on the suggested locations.

█ was not comfortable with approving the construction of John Cleland Cr/Coulter Dr intersection and midblock of Tuggeranong Parkway between Lady Denman Dr – Cotter Rd ahead of completion of the feasibility studies.

The Panel discussed the suggested projects and their crash rankings.

█ noted that different 5-year period crash data was used for the suggested sites, and advised that Roads ACT should decide on and use a single 5-year period for all proposed locations. He added that no other jurisdiction sought the Panel's permission to study projects. Projects were selected and investigated by the road authorities and study outcomes presented to the Panel for their approval of a final package of works.

Roads ACT advised that as they had finalised the ACT's 2013 crash data base one week before the meeting and suggested high ranked sites for panel consideration.

The Panel agreed that the projects below could potentially form the 2014/15 program:

Construction of:

- Jerrabomberra Av/ Captain Cook Cr/Sturt Av
- John Cleland Cr / Coulter Dr
- Tuggeranong Parkway between Lady Denman Dr – Cotter Rd

Investigation of:

- Gungahlin Dr / Well Station Rd
- Tharwa Dr / Duggan St
- Belconnen Way / Benjamin Way
- Northbourne Ave / Swinden St
- Tuggeranong Pkwy (Hindmarsh Dr-Sulwood Dr)
- Tuggeranong Pkwy (Hindmarsh Dr-Cotter Rd)

The Panel will decide on which of the 6 investigated projects can be approved for construction at the next meeting.

█ advised that the Federal Minister usually announces the approved program in May.

Roads ACT advised that it will be difficult to have the feasibility studies completed in this time frame but they will try to complete the investigations by May 2014 so Panel can decide which other projects can be finalised for construction in the 2014/15 program.

Action – Roads ACT to complete investigations by May 2014 and circulate feasibility study reports to Panel members for consideration.

Mr Seselja enquired about the process of seeking public nominations for black spot projects.

Roads ACT explained that Mr Andrew Leigh had started the process of calling for public nominations of projects. The Panel agreed that the process should be continued, and any public nominations can be brought forward to either Mr Seselja's office or directly to Roads ACT.

Action – Mr Seselja's office to liaise with Roads ACT on the appropriate timing to call for public nominations for 2015/16 program.

7. Other business

█ explained the process and timelines for announcement of Black Spot projects. He also said the Panel must determine a single 5-year crash data period for future site selections.

Roads ACT explained that only 2 projects – Belconnen Way/Benjamin Way and Northbourne Ave/Swinden St - in the suggested package were selected from a different 5-year period due to the recent finalisation of ACT's 2013 crash data, and if these were removed, all other projects would have consistent data period.

Subsequent to further discussion the Panel agreed to the removal of these 2 projects previously discussed under point 6 in the agenda for investigation and accepted the following projects for the 2014/15 program:

Construction of:

- Jerrabomberra Av/ Captain Cook Cr/Sturt Av (\$452,000)
- John Cleland Cr / Coulter Dr (\$22,500)
- Tuggeranong Parkway between Lady Denman Dr – Cotter Rd (\$270,000)

Investigation of:

- Gungahlin Dr / Well Station Rd
- Tharwa Dr / Duggan St
- Tuggeranong Pkwy (Hindmarsh Dr-Sulwood Dr)
- Tuggeranong Pkwy (Hindmarsh Dr-Cotter Rd)

Action – Subsequent to the Federal Minister's approval of the program, Roads ACT to proceed with the projects outlined above.

Action – Roads ACT to complete investigations by May 2014 and circulate feasibility study reports to Panel members for consideration.

The Panel also agreed that the most recent and current 5-year crash data will be used for all future site selections/recommendations.

Action – Roads ACT to provide consistent, current crash data for all future site recommendations.

██████████ enquired if the Black Spot funding provided any scope for the Panel to consider proactive road safety measures (without relying on crash records).

██████████ advised that 30% of the Black Spot budget can be used for road safety audit based proactive projects.

Roads ACT advised that they had a program in place that looks at road safety risk assessments rather than crash ranking, and determines the priority for road safety audit projects. Some of the measures recommended from this program have been approved by the Panel and implemented under previous Black Spot programs.

Roads ACT added that when the recommended treatments for projects did not meet the Black Spot program's BCR criteria, the projects' recommendations are implemented as part of the allocation for road safety audit.

██████████ advised that the general public was not aware of the criteria that needed to be met to qualify for Black Spot funding.

Roads ACT suggested Mr Seselja include information about the Black Spot program's criteria and selection process when seeking public nominations and announcing future programs.

Action – Mr Seselja's office to provide information on Black Spot program's criteria and selection process when seeking public nominations and announcing future programs.

8. Next meeting

No date was set for the next meeting.

Action – Roads ACT to set a date for the next meeting following liaison with Mr Seselja's office.

Mr Seselja thanked the Panel members for attending and closed the meeting.

BLACK SPOT RANKING 2015

CRASHES 1.01.2010 – 31.12.2014 (5 YRS)

INTERSECTION	5 yrs crashes	Casualty crashes in 2 yrs	Casualty crashes in 3 yrs	Casualty crashes in 5 yrs	Fatal	Serious injury	Minor injury	Comments
BARTON HWY/ WILLIAM SLIM DR/ GUNDAROO DR	515	8	13	16	0	3	13	Under Investigation by Roads ACT
BELCONNEN WAY/ GUNGAHLIN DR	92	5	8	14	1	2	11	New Signals 2009
LANYON DR/ MONARO HWY	59	7	10	13	0	3	10	2012 CW Program
OAKS ESTATE RD/ PIALIGO AV	56	5	6	13	0	3	10	2008/09 Program
ANTHONY ROLFE AV/ ROSANNA ST/ WIZARD ST	48	5	9	13	0	0	13	
BARRY DR/COOYONG ST/NORTHBOURNE AV	171	5	8	12	0	4	8	Signals/ Safety Camera
EFKARPIDIS ST/ HINDER ST	68	6	10	12	0	0	12	
MACARTHUR AV/ NORTHBOURNE AV/ WAKEFIELD ST	120	6	9	11	0	2	9	
MONARO DR /MORSHEAD DR/PIALLIGO AV	104	2	6	11	0	3	8	Future CW Program - Majura Pky
GINNINDERRA DR/ TILLYARD DR	37	4	8	11	0	2	9	2010/11 BS program
ATHLLON DR/ DRAKEFORD DR/ ISABELLA DR	220	4	5	10	0	3	7	2012/13 BS Program
ATHLLON DR/ DRAKEFORD DR	205	5	7	10	0	3	7	
MELROSE DR / YAMBA DR / YARRA GLEN ROUNDABOUT	182	2	5	10	0	1	9	2009/10 BS Program
DRAKEFORD DR/ NOOROOMA ST	29	3	7	10	1	5	4	Proposed for 2013/14 BS Program
EGGLESTON CR/ MELROSE DR	27	3	3	10	0	3	7	2012/13 LCT Program
ANZAC PDE/ PARKES WAY	289	7	9	9	0	0	9	
HINDMARSH DR/ MELROSE DR	173	3	5	9	0	2	7	2011/12 CW Program
DRAKEFORD DR/ JOHNSON DR/WOODCOCK	118	2	5	9	0	3	6	Re-seal in 2010
KINGSFORD SMITH DR/ SOUTHERN CROSS DR	115	5	6	9	0	2	7	Signal New LEDs 2013
LONDON CCT/ NORTHBOURNE AV	121	6	6	9	0	1	8	Signals/ Safety Camera
ANTHONY ROLFE AV/ MAWBY ST	59	1	2	9	0	0	9	Upgraded in 2011
SOUTHERN CROSS DR/STARKE ST	52	3	4	9	0	0	9	
HUME CIRCLE	251	4	5	8	0	1	7	Investigation BS 2013 NCA
HINDMARSH/HIND(W)TUGG(S)RM/TUGG(S) HIND(E)RM	209	5	6	8	0	1	7	
HINDMARSH DR/ YAMBA DR	201	3	5	8	0	1	7	2009/10 BS Program
ANTILL AV/MOUAT ST/NORTHBOURNE AV	167	5	5	8	1	0	7	2009/10 BS Program
MONARO HWY/ MUGGA LA	48	4	5	8	0	1	7	
BUNDA ST/NORTHBOURNE AV/ RUDD ST	46	3	6	8	0	0	8	
MELROSE DR/ THEODORE ST	26	0	4	8	0	0	8	2012/13 LCT Program
DONALDSON ST/ DOONKUNA ST/ELOUERA	22	4	7	8	0	1	7	
ASHLEY DR/ISABELLA DR	144	3	4	7	0	0	7	Investigation BS 2012 - Included for future CW
BELCONNEN WAY/ BENJAMIN WAY	132	1	5	7	0	3	4	
BELCONNEN WAY/BINDUBI ST/ EASTERN VALLEY WAY	131	3	6	7	0	1	6	2009/10 Program
BOX HILL AV/ THARWA DR/ WOODCOCK	86	1	2	7	0	2	5	2011/12 Program
DAVID ST/ MACARTHUR AV/ WATTLE ST	80	0	4	7	0	3	4	2012/13 Program
HIBBERSON ST/HINDER ST	65	5	5	7	0	0	7	
ERNEST CAVANAGH ST/ GOZZARD ST	45	5	5	7	0	0	7	
ASHLEY DR/CLIFT CR	43	4	5	7	0	2	5	Investigation BS 2007/08
GUNGAHLIN DR/ KOSCIUSZKO AV/ THE VALLEY AV	42	1	2	7	0	1	6	
EGGLESTON CR/HINDMARSH DR	35	5	6	7	0	1	6	
ANTILL ST/ FEDERAL HWY	31	0	3	7	0	1	6	2008/09 CW Program
ATHLLON DR/ FINCHAM CR	30	2	4	7	0	1	6	Signals BS 2012
FLEMINGTON RD/HIBBERSON ST/ KATE CRACE ST	29	3	6	7	0	0	7	
COULTER DR/ JOHN CLELAND DR	27	2	4	7	0	4	3	Proposed for 2013/14 BS Program

INTERSECTION	5 yrs crashes	Casualty crashes in 2 yrs	Casualty crashes in 3 yrs	Casualty crashes in 5 yrs	Fatal	Serious injury	Minor injury	Comments
CASTIEAU ST/KINGSFORD SMITH DR	24	4	4	7	0	2	5	
DUMAS ST/ WILLIAM SLIM DR	18	5	6	7	0	2	5	
NORTHBOURNE AV/SWINDEN ST	18	2	5	7	0	3	4	
AUSTIN ST/BARRALLIER /CAPTAIN COOK	16	3	6	7	0	2	5	
CANBERRA AV/ HINDMARSH DR/ NEWCASTLE	143	1	3	6	0	2	4	2012/13 Program
ATHLLON DR/ BEASLEY ST (SW)	42	1	3	6	0	2	4	
COYNE ST/HAMBIDGE/ISABELLA DR	43	3	5	6	0	2	4	
DRAKEFORD DR/ ERINDALE DR/ SOWARD	87	2	3	6	0	2	4	2008/09 BS Program
HIND(E)TUGG(N)RM/HINDMARSH/TUGG(N) HIND(W)RM	61	5	6	6	0	2	4	
BODDINGTON CCT/ DRAKEFORD DR/ MARCONI CR	108	5	5	6	0	0	6	Red Light Camera Signals
HAYDON DR/ MARY POTTER (SW)	49	1	3	6	0	0	6	
BATESON RD/ YAMBA DR	26	1	5	6	1	0	5	
ATHLLON DR/ LANGDON AV /ATKINS ST	46	3	4	6	0	0	6	
MORPHETT ST/ NORTHBOURNE AV	56	3	5	6	0	1	5	2008/09 BS Program
MASSON ST/ MCCAUGHEY ST	27	2	5	6	0	2	4	
GINNINDERRA DR/ WILLIAM SLIM DR	63	4	5	6	0	2	4	
BARRY DR/CLUNIES ROSS ST	32	5	5	6	0	0	6	
BELTANA RD/ FAIRBAIRN AV/PIALLIGO AV	70	2	4	6	0	1	5	
GINNINDERRA DR/KINGSFORD SMITH DR	94	0	2	6	0	2	4	2008/09 BS Program
FURNEAUX ST/ MANUKA CIR	35	3	4	6	0	0	6	
GUNGAHLIN DR/ SANDFORD ST	67	2	3	6	0	1	5	Signals BS 2012
ANTHONY ROLFE AV/ GOZZARD ST	24	0	1	5	0	0	5	
JULIA FLYNN AV/ YAMBA DR	14	1	1	5	1	3	1	Proposed for 2013/14 BS Program
CANBERRA AV/ MONARO(N)CANBERRA(W)RAMP	32	1	3	5	1	1	3	
LONG GULLY RD/ MUGGA LN	31	2	3	5	0	2	3	2010/11 BS Program
BARTON HWY/ GUNG(W)BART(N)RM / BART(S)GUNG(W)RM	17	2	5	5	0	2	3	
COOYONG ST/ MORT ST	67	3	4	5	0	0	5	2008/09 BS Program
CURRONG ST/ EUREE ST	6	2	2	5	0	1	4	
STATE CIR/ SYDNEY AV	16	1	1	5	0	2	3	Imrovvement 2012
ERINDALE DR/ SULWOOD DR	23	3	4	5	0	1	4	
BALDWIN DR/ GINNINDERRA DR/HAYDON	187	3	3	5	0	1	4	Included in Lawson Investigation
COULTER DR/ LUXTON ST/ SOUTHERN CROSS DR	132	2	3	5	0	1	4	
ASHLEY DR/ ERINDALE DR	132	2	3	5	0	0	5	CW 2013
KINGSFORD SMITH DR/ SPALDING ST	15	1	2	5	0	1	4	2012/13 BS Program
CORANDERRK ST/ PARKES WAY	427	3	3	5	0	1	4	NCA
ATHLLON DR/ CALLAM ST/ HINDMARSH	136	1	1	5	0	0	5	
DAWES ST/ WENTWORTH AV	13	2	4	5	0	2	3	
BELCONNEN WAY/ SPRINGVALE DR	33	2	4	5	0	1	4	2010/11 BS Program
CARRUTHERS ST/ DENISON ST	32	1	4	5	0	0	5	
ERINDALE DR/ STERNBERG AV	112	1	3	5	0	1	4	
CONDAMINE ST/IPIMA/NORTHBOURNE AV	39	0	2	5	0	2	3	
ATHLLON DR/ LEARMONTH DR	24	4	4	5	0	1	4	
HINDMARSH DR/ LAUNCESTON ST	38	4	4	5	0	0	5	
ANGAS ST/ IJONG/ LIMESTONE AV	40	1	2	5	0	0	5	
HEARD ST/ MAWSON DR	20	2	2	5	0	0	5	
BARRY DR/ MARCUS CLARKE ST	31	3	3	5	0	0	5	
HINDMARSH DR/ JERRABOMBERRA AV	62	2	2	4	0	2	2	
PHILLIP AV/ WINDEYER ST	14	1	2	4	0	0	4	
HOVEA ST/ MACARTHUR AV	6	3	3	4	0	0	4	
COPPINS CROSSING RD/ WILLIAM HOVELL	21	0	0	4	0	1	3	2010/11 BS Program
TELOPEA PK/ WENTWORTH AV/EASTLAKE	27	2	3	4	0	0	4	
EUREE ST/ LIMESTONE AV/ TRELOAR CR	16	4	4	4	0	3	1	
ROSS SMITH CR / SOUTHERN CROSS DR	14	2	2	4	0	2	2	
BENJAMIN WAY/ CAMERON AV/ CHAN	30	1	1	4	0	0	4	
BELCONNEN WAY/ COULTER DR	97	2	3	4	0	1	3	Proposed for 2013/14 BS Program
GIRRAHWEEN ST/ MASSON ST/ NORTHBOURNE AV	48	1	2	4	0	1	3	

INTERSECTION	5 yrs crashes	Casualty crashes in 2 yrs	Casualty crashes in 3 yrs	Casualty crashes in 5 yrs	Fatal	Serious injury	Minor injury	Comments
CANBERRA AVE/ MANUKA CIR	21	3	3	4	0	2	2	
CANBERRA AVE/ DAWES ST/ LOCKYER	19	2	3	4	0	0	4	
HINDMARSH DR/ TYAGARAH ST	12	1	3	4	0	1	3	Investigated BS 2013
BENJAMIN WAY/ COLLEGE ST	39	1	2	4	0	0	4	
CANBERRA AV/ EYRE ST/LEFROY	20	2	4	4	0	2	2	2009/10 BS Program
BREWER ST/ MELROSE DR	24	2	2	4	0	0	4	
MONARO(N)MORSHEAD(W)RAMP/ MORSHEAD	59	3	4	4	0	0	4	
FLOREY DR/ GINNINDERRA DR	42	1	2	4	0	0	4	
FLYNN DR/ STATE CIR	6	2	2	4	0	0	4	
BELCONNEN WAY/ HAYDON DR	46	4	4	4	0	1	3	
CANBERRA AV/ EMPIRE CCT	21	2	3	4	0	1	3	
HODGSON CR/ MELROSE DR	14	3	4	4	0	0	4	
HORSE PARK DR/ KATHERINE AV(SW)	15	2	2	4	1	0	3	
KURINGA DR/ OWEN DIXON DR	24	1	3	4	0	1	3	
GUNGAHLIN DR/ WELL STATION DR	81	0	0	4	0	1	3	Proposed for Investigation
COOYONG ST/ LONSDALE ST/ GENGE ST	40	2	2	4	0	0	4	
ALEXANDRINA DR/ CORONATION/FLYNN	12	1	2	4	0	1	3	
BARRY DR/ MOORE ST	18	1	2	4	0	1	3	
BRISBANE AV/ MACQUARIE ST	25	3	3	4	0	1	3	
ASHLEY DR/ MCBRYDE CR	32	2	3	4	0	1	3	
BARTON HWY/CLARRIE HERMES/KURINGA	37	0	2	4	0	2	2	New Signals 2012
WISDOM ST/ YAMBA DR	20	1	2	4	0	1	3	
DRAKEFORDDR/ SULWOOD DR/ TUGGERANONG PKY	133	2	2	4	0	0	4	
BARRY DR/ MCCAUGHEY ST/ NORTH RD	48	2	3	4	0	0	4	2012/13 CW Program
CHISHOLM ST/ DONALDSON/ LIMESTONE	19	2	3	4	0	0	4	
CAPTAIN COOK CR/ JERRABOMBERRA AV/ STURT	22	1	2	4	1	1	2	Proposed for 2013/14 BS Program
KINGSFORD SMITH DR/ WIRRAWAY CR	5	3	4	4	0	2	2	
BELCONNEN WAY/ DRYANDRA/ FAIRFAX	23	2	2	4	0	0	4	
DRAKE BROCKMAN DR/ KINSELLA ST	8	2	2	4	0	0	4	
CORINNA ST/ MELROSE DR	24	2	3	4	0	0	4	Proposed for 2013/14 BS Program
DRAKEFORD DR/ O'HALLORAN CCT/ SUMMERLAND CCT (SW)	50	2	3	4	0	1	3	BS 2011
GOULD ST/ MOORE ST	16	3	4	4	0	0	4	
MANUKA CIR/ NEW SOUTH WALES CR/ TELOPEA PK	51	2	2	4	0	1	3	Considered at BS 2011/12 MNW 2014
CALLAM ST/ CORINNA ST	13	2	3	4	0	1	3	
BATTYE ST/ HAYDON DR	26	2	2	4	0	0	4	
ARCHDALL ST/ GINNINDERRA DR	13	2	3	4	0	3	1	
COULTER DR/ GINNINDERRA DR	52	1	2	4	0	1	3	
COLLEGE ST/ HAYDON DR	38	2	3	4	0	0	4	
ANTILL ST/ BADHAM ST	54	2	3	4	0	0	4	
AINSLIE AV/ DOONKUNA ST	31	2	3	4	1	0	3	
NEWCASTLE ST/ WHYALLA ST	21	1	2	4	0	1	3	
AIKMAN DR/ GINNINDERRA DR	83	2	3	4	0	0	4	
BELCONNEN WAY/ KINGSFORD SMITH DR	69	0	1	4	0	0	4	
COSSINGTON SMITH CR/ ELLENBOROUGH ST(SW)	24	1	3	4	0	1	3	
BARTON HWY/ CURRAN DR	36	1	2	4	0	3	1	Considered at BS 2007/08
ELLENBOROUGH ST/ ELLENBOROUGH/BARTON ACCESS ROAD	32	2	2	3	0	1	2	
ALINGA ST/ EAST ROW/ MORT ST	6	2	2	3	0	1	2	
ANZAC PDE/ BLAMEY CR/ CURRONG ST	13	1	1	3	0	1	2	2010/11 BS Program
ANZAC PDE/ CONSTITUTION AV	29	2	2	3	0	0	3	2012 NCA Works
CANBERRA AV/ CAPTAIN COOK CR/ MANUKA CIR(SW)	55	2	2	3	1	0	2	
HALLEY ST/ HAMBIDGE CR/ HEAGNEY CR	16	1	2	3	0	1	2	
DRAKEFORD DR/ THARWA DR	39	2	2	3	0	1	2	
IPSWICH ST/ WILUNA ST	19	0	2	3	0	0	3	
CANBERRA AV/ GEELONG ST	11	0	0	3	0	2	1	
BUNBURY ST/ NAMATJIRA DR	10	1	2	3	0	0	3	

INTERSECTION	5 yrs crashes	Casualty crashes in 2 yrs	Casualty crashes in 3 yrs	Casualty crashes in 5 yrs	Fatal	Serious injury	Minor injury	Comments
BARTON HWY /GUNGAH(N)BARTON(N)RM	7	1	2	3	0	0	3	
COULTER DR/ LACHLAN ST	10	2	2	3	0	1	2	
NORMAN LINDSAY ST/ THARWA DR	26	0	2	3	0	0	3	
BARRY DRYANDRA LINK/BARRY DR	5	3	3	3	0	1	2	
FLOREY DR/ LHOTSKY ST	17	2	2	3	0	0	3	
BARTON HWY/ FEDERAL HWY/ NORTHBOURNE AV	92	1	1	3	0	0	3	
FLINDERS WAY/ MANUKA CIR	40	1	2	3	0	1	2	
BARRIER ST/ IPSWICH ST	7	1	3	3	0	0	3	
KITCHENER ST/ YAMBA DR	41	0	1	3	0	0	3	
JULIA FLYNN AV/ YAMBA DR (SW)	5	3	3	3	0	0	3	
DRAKEFORD DR/ O"HALLORAN CCT/ SUMMERLAND CCT	34	2	3	3	0	0	3	
DRAKEFORD DR/ MORTIMER LEWIS DR/ TAVERNER ST	26	1	2	3	0	1	2	
JIM PIKE AV/ WOODCOCK DR	13	2	2	3	0	1	2	
PIALLIGO AV/MOLONGLO DR	19	0	1	3	0	1	2	
COULTER DR/ NETTLEFOLD ST/ OGILBY ST	39	1	2	3	0	0	3	
HINDMARSH DR/ HINDMARSH(W)MONARO(S)RM/MONARO(S)HINDMARSH(E)RM	28	1	1	3	0	0	3	
BENHAM ST/ ISABELLA DR	9	2	2	3	0	3	0	
ATHLLON DR/ REED ST (SW)	9	2	3	3	0	1	2	
COMMONWEALTH AV/ PARKES(W)COMMONWEALTH(S)RAMP	58	0	2	3	0	1	2	
GUNGAHLIN DR/ KOSCIUSZKO AV	23	2	3	3	0	0	3	
BANDJALONG CR/ BINDUBI ST/LYTTLETON	9	2	3	3	0	2	1	
CAMPBELL ST/CHAFFEY CR	4	0	1	3	0	2	1	
COMMONWEALTH AV/ CORONATION DR/ QUEEN VICTORIA TCE	67	0	0	3	0	0	3	Signals
BRIERLY ST/ HINDMARSH DR	14	2	2	3	1	0	2	
ATHLLON DR/ SULWOOD DR	103	0	0	3	0	0	3	
ANKETELL ST/ COWLISHAW ST	12	1	2	3	0	1	2	
REED ST/ SCOLLAY ST (SW)	18	1	1	3	0	2	1	
PIALLIGO AV/ SUTTON RD	11	0	0	3	0	0	3	2005/06 BS Program
BRAYBROOKE ST/ GINNINDERRA DR	17	2	3	3	0	1	2	
ANTILL ST/ MELBAST	12	0	0	3	0	1	2	
DUGGAN ST/ THARWA DR	10	0	0	3	0	1	2	Proposed for Investigation
ASHBURTON CCT/ MARIBYRNONG AV	8	0	1	3	0	0	3	
BONNEY ST/ COWPER ST/ FOVEAUX ST	12	0	1	3	0	1	2	
IPSWICH ST/ NEWCASTLE ST/ CESSNOCK ST	67	0	2	3	0	1	2	
CARRUTHERS(E)YARRA GLEN(N)RAMP/CARRUTHERS/YARRA GLEN(N)CARRUTHERS(W)RAMP	27	2	2	3	0	0	3	
LAUNCESTON ST/ YAMBA DR	24	1	3	3	0	2	1	
NAMATJIRA DR/ PARKINSON ST	14	2	2	3	0	0	3	
AIKMAN DR/ JOY CUMMINGS PL	10	0	1	3	0	2	1	
SOUTHERN CROSS DR / STARKE ST (SE)	31	0	2	3	0	1	2	2012/13 CW Program
CANBERRA AV/ DOMINION CCT	16	0	1	3	0	0	3	
COMRIE ST/ STERNBERG CR	15	0	2	3	0	0	3	
ASHLEY DR/ BUGDEN AV	15	0	0	3	0	0	3	
ALLAWOONA ST/ GINNINDERRA DR	22	2	2	3	0	1	2	
ALINGA ST/ NORTHBOURNE AV	34	1	2	3	0	1	2	
CANBERRA/ CANBWMONASRM/ IPSWICH	59	0	0	3	1	0	2	Signals CW 2012
HINDMARSH(E)MONARO(N)RAMP/HINDMARSH/MONARO(N)HINDMARSH(W)RAMP	92	0	1	3	0	1	2	
HINDMARSH DR/ NAMATJIRA DR	48	1	2	3	0	2	1	
BADIMARA ST/ HINDMARSH DR	16	1	2	3	0	1	2	
BARRITT ST/ BODDINGTON CR	14	2	3	3	0	2	1	
ATKINS ST/ LIVINGSTON AV	10	3	3	3	0	1	2	
BARR SMITH AV/ DRAKEFORD DR	19	1	1	3	0	0	3	Proposed for 2013/14 BS Program
BARTON HWY/ ELLENBOROUGH(E)BARTON(N)RM	16	0	0	3	0	0	3	
BANGALAY CR/ HINDMARSH DR	8	1	1	3	0	1	2	
NOVAR ST/ SCHLICH ST	12	1	2	3	0	0	3	

INTERSECTION	5 yrs crashes	Casualty crashes in 2 yrs	Casualty crashes in 3 yrs	Casualty crashes in 5 yrs	Fatal	Serious injury	Minor injury	Comments
MONARO(N)MORSHEAD(W)RM/MONARO	20	0	0	3	0	1	2	Proposed for future CW
NATIONAL CCT/ SYDNEY AV	22	1	1	3	0	1	2	
LAWRENCE WACKETT CR/ THARWA (SW)	28	1	3	3	0	1	2	
CURRIE CR/ MANUKA CIR/ NEW SOUTH WALES CR/ TELOPEA PK	17	0	2	3	0	0	3	
AINSLIE AV/ GOOREEN ST	9	2	2	3	0	0	3	
MAWSON DR/ YAMBA DR	26	1	1	3	0	1	2	2008/09 BS Program
DOMINION CCT/ HOBART AV/ TASMANIA	14	2	2	3	0	0	3	
FARRELL PL/ MARCUS CLARKE ST	9	2	3	3	0	0	3	
ASHLEY DR/ ELLERSTON AV	18	2	2	3	0	0	3	
DRAKEFORD DR/ HURTLE AV	7	0	1	3	0	2	1	
BINDUBI ST/ WILLIAM HOVELL DR	36	0	1	3	0	0	3	Signals BS 2010
GIRRAHWEEN ST/ GRIMES/ LIMESTONE AV	19	2	2	3	0	0	3	Signs
BATMAN ST/ LIMESTONE AV/ QUICK ST	26	2	2	3	0	2	1	
MOLONGLO/NEWCASTLE /WOLLONGONG	20	1	1	3	0	2	1	
ASHLEY DR/ STERNBERG CR	13	1	1	3	1	1	1	
ANKETELL ST/ REED ST	28	1	1	3	0	1	2	
FEDERAL HWY/ PHILLIP AV	32	2	2	3	0	0	3	
NAMATJIRA DR/ STREETON DR	12	2	2	3	1	0	2	
CANNAN CR/ OSBURN DR	3	0	2	3	0	2	1	
COWPER ST/ SHERBROOKE ST	9	1	2	3	0	0	3	

229 INTERSECTIONS

MIDBLOCK	5 yrs crashes	Casualty crashes in 2 yrs	Casualty crashes in 3 yrs	Casualty crashes in 5 yrs	Fatal	Serious injury	Minor injury	Comments
WILLIAM HOVELL DRIVE (DRAKE BROCKMAN/KINGSFORD SMITH -> COPPINS CROSSING)	77	7	10	14	0	2	12	2008/09 BS Program
TUGGERANONG PARKWAY (HINDMARSH(W)TUGGERANONG(S) RAMP -> DRAKEFORD/SULWOOD)	134	7	9	13	0	5	8	Proposed for investigation
TUGGERANONG PARKWAY (GREENHILLS(W)TUGGERANONG(S) RAMP -> TUGGERANONG(S)COTTER(E)RAMP)	133	7	8	13	0	1	12	Investigated BS 2013
PARKES WAY (CLUNIES(S)PARKES(E)RAMP -> PARKES(E)EDINBURGH(N)RAMP/LAWSON(N)PARKES(W)RAMP)	110	3	3	11	0	1	10	2007/08 BS Program
NORTHBOURNE AVENUE (CONDAMINE/IPIMA -> MACARTHUR/WAKEFIELD)	95	5	5	11	0	1	10	
TUGGERANONG PARKWAY (COTTER(E)TUGGERANONG(N)RAM P-> TUGGERANONG(N)COTTER(W)RM)	80	7	9	11	0	1	10	
GUNDAROO DRIVE (GUNG AHLIN -> GINN/NARI)	189	4	5	10	0	0	10	
MAJURA ROAD (AVONLEY -> MOUNT MAJURA ACCESS)	54	4	8	10	1	4	5	
KURINGA DRIVE (KINGSFORD SMITH -> TILLYARD)	40	1	3	10	0	3	7	2007/08 BS Program
COTTER ROAD (PICNIC -> MT STROMLO RD)	28	3	4	10	0	6	4	2008/09 BS Program
COMMONWEALTH AVENUE (FLYNN(W)COMMONWEALTH(N)RM -> ALBERT)	146	3	7	9	0	0	9	
TUGGERANONG PARKWAY (COTTER(W)TUGGERANONG(S)RAMP/ TUGGERANONG(N)COTTER(W)RM -> TUGGERANONG(S)HINDMARSH(E)RM)	145	4	5	9	0	1	8	Proposed for investigation
PARKES WAY (GLENLOCH INTERCHANGE -> PARKES(W)LADYDENMAN(S)RAMP)	127	4	5	9	0	2	7	2011/12 CW Program

MIDBLOCK	5 yrs crashes	Casualty crashes in 2 yrs	Casualty crashes in 3 yrs	Casualty crashes in 5 yrs	Fatal	Serious injury	Minor injury	Comments
MONARO HIGHWAY (HINDMARSH(W)MONARO(S)RAM P->PRISON ACCESS ROAD)	68	4	4	9	0	3	6	
MAJURA ROAD (MUSTANG -> AVONLEY)	57	0	2	9	0	1	8	
AIKMAN DRIVE (EMU -> TOWNSEND)	66	0	4	8	0	1	7	
HORSE PARK DR (MAPLETON -> ANTHONY ROLFE)	18	2	3	8	1	3	4	
BELCONNEN WAY (GUNGAHLIN -> BARRY)	48	2	5	7	0	3	4	
BRINDABELLA ROAD (COTTER -> JIM BRADLEY)	15	3	5	7	1	2	4	2008/09 BS Program
WILLIAM HOVELL DRIVE (COULTER -> BINDUBI)	63	2	2	6	0	0	6	
GUNGAHLIN DRIVE (GUNGAHLIN(S)BELCONNEN(E)RM -> GINNINDERRA(E)GUNGAHLIN(S)RM RP)	56	1	1	6	0	2	4	
ATHLLON DRIVE (SULWOOD -> BEASLEY)	51	3	3	6	0	2	4	2008/09 BS Program
GUNGAHLIN DR (BARTON(S)GUNGAHLIN(E)RM -> SANDFORD)	50	4	5	6	0	1	5	
WILLIAM HOVELL DRIVE (BINDUBI -> GLENLOCH INTERCHANGE)	47	4	5	6	0	2	4	
GLADSTONE STREET (WOLLONGONG -> ALBANY)	38	1	1	6	0	1	5	
MONARO HIGHWAY (JOHNSON -> OLD COOMA)	36	2	4	6	1	1	4	
HORSE PARK DR (HORSE(E)FEDERAL(N)RM -> WELL STATION)	28	2	3	6	0	1	5	
CHALLIS ST (MORPHETT -> CAPE)	27	1	2	6	0	0	6	
KURINGA DRIVE (BARTON/CLARRIE HERMES -> OWEN DIXON)	13	4	4	6	1	2	3	
PADDYS RIVER ROAD (LAUREL CAMP -> TIDBINBILLA)	17	2	3	6	0	5	1	2009/10 BS Program
KINGS HIGHWAY (ACT/NSW BORDER -> HQJOC ACCESS RD)	10	0	2	6	1	3	2	2011/12 CW Program
NORTHBOURNE AVENUE (MURDOCH -> ANTILL/MOUAT)	65	2	3	5	0	1	4	
FEDERAL HIGHWAY (BARTON/NORTHBOURNE -> PHILLIP)	60	2	3	5	0	0	5	
MONARO HIGHWAY (MUGGA -> ISABELLA)	60	3	5	5	0	4	1	
MONARO HIGHWAY (LANYON -> SHEPPARD)	42	3	3	5	0	1	4	
COYNE STREET (JACKIE HOWE -> FIHELLY)	37	1	4	5	0	1	4	
NORTHBOURNE AVENUE (ELOUERA/GOULD -> GIRRAHWEEN/MASSON)	31	3	4	5	0	0	5	
ERINDALE DRIVE (LONG GULLY/YAMBA -> SULWOOD)	29	4	4	5	0	2	3	
MELROSE DRIVE (HINDMARSH -> BREWER)	28	2	3	5	0	1	4	
GINNINDERRA DRIVE (ELLENBOROUGH/MOUAT/RIGGALL -> GUNGAHLIN(S)GINNINDERRA(E)RM/ GINNINDERRA(E)GUNGAHLIN(S)RM)	25	1	3	5	0	0	5	
ISABELLA DRIVE (BENHAM -> GOLDSTEIN/KELLETT)	21	2	4	5	0	2	3	
LONG GULLY ROAD (ERINDALE/YAMBA -> MUGGA)	22	1	3	5	0	3	2	
LADY DENMAN DRIVE (GARRYOWEN -> GREENHILLS)	13	1	2	5	0	0	5	
PARKES WAY (CORANDERRK -> ANZAC)	16	2	3	4	0	1	3	

MIDBLOCK	5 yrs crashes	Casualty crashes in 2 yrs	Casualty crashes in 3 yrs	Casualty crashes in 5 yrs	Fatal	Serious injury	Minor injury	Comments
TUGGERANONG PARKWAY (GREENHILLS(E)TUGGERANONG(N)RM -> TUGGERANONG(N)GREENHILLS(E)RM)	21	3	4	4	0	2	2	
BARRY DRIVE (BELCONNEN -> FRITH(E)BARRY(N)RM)	23	1	1	4	0	2	2	
NORTHBOURNE AVENUE (ALINGA -> BUNDA/RUDD)	61	2	3	4	0	0	4	
NORTHBOURNE AVENUE (McKAY -> ELOUERA/GOULD)	26	2	3	4	0	0	4	
COPPINS CROSSING ROAD (WILLIAM HOVELL -> URIARRA)	42	1	1	4	0	1	3	2007/08 BS Program
LANYON DRIVE (LANYON/ACT NSW BORDER -> SHEPPARD)	33	1	1	4	0	0	4	
FEDERAL HIGHWAY (PHILLIP -> FLEMINGTON)	58	3	3	4	0	1	3	
HINDMARSH DRIVE (TAMAR -> TYAGARAH)	48	2	2	4	0	1	3	
KINGSFORD SMITH DRIVE (WIRRAWAY -> FINDLAY)	9	2	2	4	0	1	3	
HINDMARSH DRIVE (AINSWORTH -> ATHLLON)	45	2	2	4	0	1	3	
DRAKEFORD DRIVE (BODDINGTON/MARCONI -> SULWOOD/TUGGERANONG)	55	0	2	4	0	0	4	
HINDMARSH DRIVE (LAUNCESTON -> HINDMARSH(W)TUGGERANONG(S)RM / TUGGERANONG(S)HINDMARSH(E)RM)	80	2	3	4	0	0	4	
MOUAT STREET (GOODWIN -> BRIGALOW)	24	1	3	4	0	1	3	
BELCONNEN WAY (BENJAMIN -> BINDUBI/EASTERN VALLEY)	44	2	4	4	0	1	3	
LADY DENMAN DRIVE (BARRENJOEY -> COTTER)	24	2	3	4	0	3	1	Re-seal 2010
MONARO HIGHWAY (ISABELLA -> OLD TUGGERANONG)	27	3	4	4	0	2	2	
SOUTHERN CROSS DRIVE (CHAVE -> STARKE)	12	2	3	4	0	0	4	
CAPITAL CIRCLE (CANBERRA -> ADELAIDE)	17	0	0	4	0	0	4	
ATHLLON DRIVE (ATKINS/LANGDON -> SULWOOD)	14	1	2	4	0	2	2	
GUNGAHLIN (BANDNGUNG NRM -> GUNGSBELCERM /GUNGAHLIN)	26	2	4	4	0	0	4	
FAIRBAIRN AVENUE (MORSHEAD -> ADDISON)	43	0	0	4	0	0	4	
PIALLIGO AVENUE (GLENORA -> AIR DISASTER)	32	2	3	4	0	1	3	
CAPITAL CIRCLE (STATE(W)CAPITAL(N)RM -> COMMONWEALTH/COMMONWEALTH (S)PARLIAMENT(E)RM)	17	1	1	4	0	0	4	
HINDMARSH DRIVE (DALRYMPLE/MUGGA -> TAMAR)	35	2	2	4	0	1	3	
COTTER (W) / TUGGERANONG (S) RAMP	25	1	4	4	0	1	3	
CANBERRA AVENUE (MILDURA -> MONARO(N)CANBERRA(W)RM)	50	2	3	3	0	2	1	
THARWA DRIVE (DRAKEFORD -> MENTONE)	16	2	2	3	0	1	2	
GILES STREET (TENCH -> JARDINE)	11	2	2	3	0	0	3	
MONARO HIGHWAY (MONARO(N)MORSHEAD(W)RM ->NEWCASTLE(W)MONARO(N)RM)	61	0	0	3	0	2	1	
NEWCASTLE STREET (MOLONGLO/WOLLONGONG -> COLLIE)	34	1	2	3	0	1	2	

MIDBLOCK	5 yrs crashes	Casualty crashes in 2 yrs	Casualty crashes in 3 yrs	Casualty crashes in 5 yrs	Fatal	Serious injury	Minor injury	Comments
LAUREL CAMP ROAD (PADDYS RIVER -> OAKEY CREEK)	4	0	1	3	1	0	2	
CAPITAL CIRCLE (CAPITAL(N)STATE(S)RM -> STATE(W)CAPITAL(N)RM)	12	2	2	3	0	0	3	
WILLIAM SLIM DRIVE (DUMAS -> GINNINDERRA)	13	1	2	3	1	1	1	
LONSDALE STREET (GIRRAHWEEN -> ELOUERA)	35	2	2	3	0	0	3	
DALEY ROAD (NORTH -> LINNAEUS)	5	0	1	3	0	0	3	
MARCUS CLARKE STREET (ALINGA -> RUDD)	11	0	1	3	0	1	2	
TAVERNER STREET (DRAKEFORD/MORTIMER LEWIS -> FORLONGE/NEWMAN-MORRIS)	9	2	2	3	0	1	2	
AIKMAN DRIVE (JOY CUMMINGS -> GINNINDERRA)	15	2	2	3	0	1	2	
COMMONWEALTH AVENUE (ALBERT -> CORKHILL)	32	0	0	3	0	1	2	
BELCONNEN WAY (BINDUBI/EASTERN VALLEY -> HAYDON)	58	1	1	3	0	0	3	
CAPITAL CIRCLE (COMMONWEALTH/Commonwealt H(S)Parliament(E)RM -> CANBERRA)	16	0	3	3	0	1	2	
CLIFT CRESCENT (HEAGNEY -> MAY GIBBS)	4	1	1	3	0	2	1	
COTTER ROAD (COTTER(W)TUGGERANONG(S)RM/TUGGERANONG(S)COTTER(E)RM -> YARRALUMLA WOOLSHED RD)	31	2	2	3	0	1	2	
BELCONNEN WAY (BARRY -> DRYANDRA/FAIRFAX)	7	1	2	3	0	1	2	
MORT STREET (ELOUERA -> GIRRAHWEEN)	16	1	2	3	0	0	3	
LONSDALE STREET (ELOUERA -> COOYONG)	31	0	0	3	0	0	3	
TUGGERANONG PARKWAY (TUGGERANONG(N)WILLIAMH(N)RM -> TUGGERANONG(S)GREENHILLS(W)RM)	60	1	2	3	0	2	1	
ALEXANDRINA DRIVE (MARINER -> HOPETOUN)	5	2	2	3	0	1	2	
DRAKEFORD DRIVE (ATHLLON/ISABELLA -> ERINDALE/SOWARD)	27	0	2	3	0	1	2	
THARWA DRIVE (LAWRENCE WACKETT -> DUGGAN)	28	1	2	3	0	1	2	
POINT HUT ROAD (FRESHFORD -> JIM PIKE)	12	0	1	3	0	2	1	2008/09 BS Program
NORTHBOURNE AVENUE (GREENWAY -> CONDRAMINE/IPIMA)	39	2	3	3	0	1	2	
PADDYS RIVER ROAD (COTTER -> LAUREL CAMP)	11	0	1	3	0	0	3	
BENJAMIN WAY (CHANDLER -> SWANSON)	21	1	2	3	0	0	3	
MONARO HIGHWAY (ROYALLA -> WILLIAMSDALE)	14	2	3	3	1	1	1	
GUNGAHLIN DR (GUNGAHLIN(S)GINNINDERRA(E)RM -> BARTON(S)GUNGAHLIN(W)RM)	11	3	3	3	0	0	3	
YAMBA DRIVE (HINDMARSH -> COLBECK)	38	2	2	3	0	0	3	
PARKES WAY (EDINBURGH(S)PARKES(E)RM/PARKES(W)LAWSON(S)RM -> COMMONWEALTH(N)PARKES(W)RM)	16	1	3	3	0	1	2	

MIDBLOCK	5 yrs crashes	Casualty crashes in 2 yrs	Casualty crashes in 3 yrs	Casualty crashes in 5 yrs	Fatal	Serious injury	Minor injury	Comments
LIMESTONE AVENUE (ANZAC/FAIRBAIRN -> EUREE/TRELOAR)	26	2	2	3	0	1	2	
THARWA DRIVE (KNOKE/POCKETT -> THARWA BRIDGE)	7	0	1	3	2	1	0	
ASHLEY DRIVE (BARRACLOUGH -> ISABELLA)	11	0	2	3	0	2	1	
GINNINDERRA DRIVE (KINGSFORD SMITH -> COMPANION)	14	0	2	3	0	2	1	
GINNINDERRA DRIVE (WILLIAM SLIM -> WILLIAM WEBB)	15	1	1	3	0	0	3	
BELCONNEN WAY (HAYDON -> GUNGAHLIN(N)BELCONNEN(W)RM/BELCONNEN(E)GUNGAHLIN(N)RM)	53	0	1	3	0	0	3	
STATE (N) / ADELAIDE (W) RAMP	9	2	2	3	0	0	3	
OAKS ESTATE ROAD (RAILWAY -> PIALLIGO)	11	2	2	3	0	0	3	
HINDMARSH DRIVE (JERRABOMBERRA -> DALRYMPLE/MUGGA)	38	1	3	3	0	0	3	
CASTLETON CRESCENT (WHEATLEY -> CONINGHAM)	6	2	3	3	0	0	3	
MAJURA ROAD (FAIRBAIRN -> SPITFIRE)	31	2	2	3	0	0	3	
MONARO HIGHWAY (PRISON ACCESS ROAD -> LANYON)	56	2	2	3	0	0	3	
URIARRA ROAD (BRINDABELLA -> MOUNTAIN CREEK)	3	0	0	3	0	0	3	
COMMONWEALTH AVENUE (CAPITAL/Commonwealth(S)Parliament(E)RM -> COMMONWEALTH(N)STATE(E)RM)	23	1	1	3	0	0	3	
URIARRA ROAD (FAIRLIGHT -> STROMLO FOREST PARK)	11	1	2	3	0	1	2	
EMU BANK (BENJAMIN -> SOUNDY/VERYARD)	44	1	1	3	0	0	3	
BELCONNEN WAY (COULTER -> CATCHPOLE)	25	1	2	3	0	1	2	
MORSHEAD DRIVE (PLANT -> STAFF CADET)	5	2	2	3	0	1	2	
YAMBA DRIVE (JULIA FLYNN -> ERINDALE/LONG GULLY)	17	2	2	3	0	1	2	
ISABELLA DRIVE (COCKCROFT -> CLIVE STEELE/DRUMSTON)	12	3	3	3	0	0	3	
ADELAIDE AVENUE (ADELAIDE(W)KENT(S)RM/NOVAR(S)ADELAIDE(E)RM -> ADELAIDE(W)COTTER(W)RM)	13	1	3	3	0	1	2	
MONARO HIGHWAY (MONARO(N)NEWCASTLE(W)RAMP -> MONARO(N)CANBERRA(W)RAMP)	20	1	2	3	0	0	3	
ADELAIDE AVENUE (STATE(N)ADELAIDE(W)RAMP -> NATIONAL)	7	3	3	3	0	1	2	

125 MIDBLOCKS

TOTAL LOCATIONS = 354 (229 intersections + 125 midblocks)



**ACT BLACK SPOT
CONSULTATIVE PANEL**

Meeting No 31

BRIEFING NOTES

March 2016

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Appendix A – List of ACT Black Spot Funded Improvements

1. INTRODUCTION

To date, 108 projects have been funded in the ACT under the AusLink / Nation Building Black Spot Program. A list of these projects is at Appendix A.

The Australian Government will provide \$300 million (\$60 million per annum) to extend the Black Spot Program for a further 5 years from 2014-15 to 2018-19.

Additional funding under the Asset Recycling Fund Projects – Infrastructure Growth Package – New Investments will be provided by the Federal Government in 2015/16 and 2016/17 totalling \$3.22 million (\$1.61 million per annum).

The program will continue to fund relatively low cost safety works such as roundabouts, crash barriers and street lighting in places where there have been serious crashes or where serious crashes are likely to occur.

The value of Nation Building Black Spot funding for the ACT in 2016/17 is \$966,000 + additional \$1.61 million totalling \$2.576 million.

Details of the general requirements for Black Spot projects are outlined in the Black Spot Program Notes on Administration.

www.auslink.gov.au/publications/administration/index.aspx

The Territory and Municipal Services Directorate's (TAMS) applies these requirements in the following way:

- 1) The objective is to treat sites with demonstrated serious crash rates
- 2) The sites need to be amenable to cost effective treatment with a Benefit to Cost cut off at 1.0
- 3) Projects also need to be able to be delivered in a specific time frame.

2. ACT CRASH DEFINITIONS

The following standard definitions are used to define crash severity in the ACT:

Fatal crash	a motor vehicle crash which involves at least one fatality within 30 days of the crash taking place
Injury crash	a motor vehicle crash where at least one person receives injuries that require medical attention either at the scene of the crash or in hospital
Property damage crash	a motor vehicle crash where no fatalities or injuries result but damage to property is sustained.

Typically in the ACT about 8,000 on-road motor vehicle crashes occur annually. The associated breakdown of crash severity is:

Fatal	0.1%
Injury	5.0%
Property	94.9%

3. ACT BLACK SPOT IDENTIFICATION PROCESS

The following approach is adopted for selecting Black Spot sites in the ACT:

- 1) For intersections: identify locations which meet the crash history criteria. The minimum eligibility criterion is a history of at least 2 casualty crashes over a 5 year period. Locations where no positive controls exist are given preference for selection if crash rates and rankings are similar.

For mid blocks: a similar process is followed for a section of road.

- 2) Identify cost effective solutions and rank on the basis of the benefit/cost ratio.

In addition to the above, up to 40% of Nation Building Black Spot funds may be used for the treatment of sites that may not meet the crash history criteria, but which have been recommended as part of an official road safety audit report.

Treatments that can be delivered in the year that funding is available are given preference when other criteria are similar.

(See the Nation Building Black Spot Program Notes on Administration for further details).

4. CURRENT STATUS OF 2014/15 PROJECTS

Table 1

Locations	Treatment Type	Funding	Expenditure	Update
Black Spot Projects 2014/15 \$966,000				
JERRABOMBERRA AV / CAPTAIN COOK CR / STURT AV*	Signals	497,000	521,250	Completed
JOHN CLELAND / COULTER DR	Install STOP signs	22,500	22,500 22,548	Completed
MIDBLOCK - TUGGERANONG PKWY (LADY DENMAN DR-COTTER RAMP EAST)	Animal Fencing and correction of minor deficiencies	270,000	261,999	Completed
THARWA DR / DUGGAN ST	Separation of left turn deceleration lane and minor median modifications	280,000	286,419	Completed
GUNGAHLIN DR / WELL STATION DR**	Install signal mast arms and correct minor deficiencies	-100,000	0	Removed from Program
TOTAL		\$1,069,500	\$1,092,168	

Saving from 2012/13 program totals \$63,342
Hence $966,000 + 63,342 = 1,029,342$
Overspend by \$62,826

5. CURRENT STATUS OF 2015/16 PROJECTS

Table 2

Locations	Treatment Type	Funding	Expenditure	Update
Black Spot Projects 2015/16 \$966,000+1,610,000 Totalling \$2,576,000				
Pialligo Ave / Oaks Estate	Signals	836,000*	4,000	Construction
Tuggeranong Pkwy (Hindmarsh Dr-Sulwood Dr) midblock	Animal Fencing, road side lighting, advance warning signage and correction of minor deficiencies	1,150,000	20,000	Construction
Tuggeranong Pkwy (Hindmarsh Dr-Cotter Rd) midblock	Animal Fencing, Linemarking improvements, Barrier upgrade and correction of minor deficiencies	748,000	103,000	Construction
Ginninderra Dr / Coulter Dr	Separation of left turn deceleration lane and minor median modifications	197,000	117,000	Construction
TOTAL		\$2,931,000	\$244,000	

*original level of funding \$605,000 + additional funding of \$231,000

2014/15 program overspend by \$62,826

Hence 2015/16 program overcommitted by \$417,826

6. UPDATE ON FEASIBILITY STUDIES FOR 2016/17 PROGRAM

As requested by the Black Spot Panel the following locations were investigated further with the summary of the results shown in Table 2 below.

INTERSECTIONS OF:

- Kingsford Smith Drive / Southern Cross Drive
- Belconnen Way / Benjamin Way
- Monaro Hwy / Mugga Lane
- Boddington Crescent / Drakeford Drive / Marconi Crescent

Table 3

Location	Est. BCR	* RSA	Study Findings	Est. Cost (\$)	Roads ACT Position	** Funding \$
Kingsford Smith Drive / Southern Cross Drive	Option 1 – 1.4 Option 2 – 0.4		Option 1 – Improvements to northbound, westbound and eastbound left turn slip lane Approach Option 2 – Install red light camera on eastbound approach	582,000	Option 1 recommended for the 2016/17 program	810,000
Belconnen Way / Benjamin Way	Option 1 – 2.9 Option 2 – 6.4		Option 1 – Improvements to the approach angle of the southbound Benjamin Way left turn lane Option 2 – Signalise the Benjamin Way southbound left turn lane and provide additional short lane	242,000	Option 2 recommended for the 2016/17 program	336,000
Monaro Hwy / Mugga Lane	Option 1 – 0.4 Option 2 – 2.8		Option 1 – Resurface the approaches to the intersection and apply new linemarking Option 2 – Signalise the southbound right turn lane prior to the eastbound right turn lane	130,500	Additional modelling found the signalisation of the southbound right turn unworkable	0
Boddington Crescent / Drakeford Drive / Marconi Crescent	Option 1 – 0.5 Option 2 – 0.95		Option 1 – Improvements to northbound westbound and eastbound turn slip lane approaches and resurface the intersection and approaches and apply new linemarking Option 2 – Resurface the intersection and approaches and apply new linemarking	1,296,000	Resurfacing of this intersection to be prioritised within Roads ACT resealing program	0

*RSA - Roads Safety Audit recommendations.

**Funding includes procurement fees, feasibility studies costs and contingencies.

7. UPDATE ON RECEIVED NOMINATIONS

INTERSECTIONS	MEETS BLACK SPOT CRITERIA	COMMENTS
Clarrie Hermes Dr/ Gungahlin Dr/ Horse Park Dr	No	
Ellerston Av/ Johnson Dr/ Outtrim Av	Yes	Low ranking
Horse Park Dr/ Katherine Ave	Yes	Under investigation for Capital Works as part of Horse Park Dr duplication
Ginninderra Dr/ Kerrigan St	No	
Ginninderra Dr/ Tillyard Dr	Yes	Under investigation for Capital Works improvements
Lawrence Wackett Cr/ Tharwa Drive	Yes	Low ranking
Lawrence Wackett Cr/ Tharwa Dr/ Were St	Yes	Low ranking

MIDBLOCKS	MEETS BLACK SPOT CRITERIA	COMMENTS
Bramston St (worst midblock)	No	
Cotter Road (Equestrian park to Parkway)	Yes	For future investigation as part of Capital Works improvements
Coyne Street - worst midblock - (Jackie Howe -> Fihelly)	Yes	Traffic management works completed in 2014
Kuringa Dr duplication (worst midblock – Kingsford Smith -> Tillyard)	Yes	Under investigation for Capital Works improvements
Starke Crescent – (worst midblock)	No	
Sulwood Dr, Request for a halfway point for crossing (worst midblock – Tuggeranong -> Kambah Pool/ Namatjira)	Yes	Low ranking
Sutton Road (worst midblock – Kowen -> ACT/ NSW Border)	Yes	For future investigation as part of Capital Works improvements
Dual Carriage way on Tharwa Drive (worst midblock – Lawrence Wackett -> Duggan St)	Yes	Recent improvements completed at Duggan St

INTERSECTION	REASON FOR INCLUSION	5 YEAR CRASH HISTORY (2009 – 2013)				NUMBER OF CASUALTY CRASHES IN 5 YEARS	BLACK SPOT RANKING
		Fatals	Serious Injuries	Minor Injuries	PDO		
Clarrie Hermes Dr/ Gungahlin Dr/ Horse Park Dr	Nominated by Public	0	0	0	8	0	N/A
Ellerston Av/ Johnson Dr/ Outtrim Av	Nominated by Public	0	0	2	23	2	Outside 300
Horse Park Dr/ Katherine Ave	Nominated by Public	1	0	2	10	3	155
Ginninderra Dr/ Kerrigan St	Nominated by Public	0	0	0	4	0	N/A
Ginninderra Dr/ Tillyard Dr	Nominated by Public	0	2	8	28	10	12
Lawrence Wackett Cr/ Tharwa Drive	Nominated by Public	0	1	1	24	2	Outside 300
Lawrence Wackett Cr/ Tharwa Dr/ Were St	Nominated by Public	0	0	2	15	2	Outside 300

MIDBLOCKS	REASON FOR INCLUSION	5 YEAR CRASH HISTORY (2009 – 2013)				NUMBER OF CASUALTY CRASHES IN 5 YEARS	BLACK SPOT RANKING
		Fatals	Serious Injuries	Minor Injuries	PDO		
Bramston St (worst midblock)	Nominated by Public	0	0	0	0	0	Outside 300
Cotter Road (Equestrian park to Parkway) animal fencing (midblock)	Nominated by Public	0	2	1	28	3	78
Coyne Street - speed humps dangerous (worst midblock - (Jackie Howe -> Fihelly)	Nominated by Public	0	1	4	30	5	39
Kuringa Dr duplication (worst midblock – Kingsford Smith -> Tillyard)	Nominated by Public	1	3	7	28	11	7
Starke Crescent – speeding (worst midblock)	Nominated by Public	0	0	0	0	0	N/A
Sulwood Dr, Request for a halfway point for crossing (worst midblock – Tuggeranong -> Kambah Pool/ Namatjira)	Nominated by Public	0	0	2	11	2	Outside 300
Sutton Road (worst midblock – Kowen -> ACT/ NSW Border)	Nominated by Public	0	1	1	6	2	Outside 300
Dual Carriage way on Tharwa Drive (worst midblock – Lawrence Wackett -> Duggan)	Nominated by Public	0	1	2	27	3	87

PROJECTS SUGGESTED BY ROADS ACT

Projects with completed feasibility studies:

Due to high number of complaints from the public Roads ACT identified Sternberg Crescent as one of top priority roads for traffic investigation. With over 10,000 vehicles per day travelling at 85%ile speed of 68km/h. Section of Sternberg Crescent adjacent to the Erindale collage and the shopping centre had 10 causality crashes, out of which 1 included a fatality and 44 property damage crashes. Two main intersections in this section of road Sternberg Crs / Langdon and Sternberg Crs / Ashley Dr meet the Black Spot criteria as well as the required BCR of 1.24 and 1.3 respectively.

MIDBLOCKS	REASON FOR INCLUSION	5 YEAR CRASH HISTORY (2009 – 2013)				NUMBER OF CASUALTY CRASHES IN 5 YEARS	BLACK SPOT RANKING
		Fatals	Serious Injuries	Minor Injuries	PDO		
Sternberg Crescent between Langdon Ave and Ashley Dr	Nominated by Roads ACT	1	4	5	44	10	(181&136)

8. SUGGESTED PROGRAM FOR 2016/17

The total allocation of Nation Building Black Spot Program funding for ACT in 2016/2017 is \$966,000 with additional \$1.61 million totalling \$2.576 million.

Sites studied previously that meet the eligibility criteria and were recommended by Roads ACT: \$1,146,000

- Intersection - Kingsford Smith Drive / Southern Cross Drive
\$810,000 BCR 1.4
- Intersection - Belconnen Way / Benjamin Way
\$336,000 BCR 6.4

Remaining funding available \$1,430,000.
Overcommitment from 2015/16 program \$417,826

Available funding for 2016/17 program \$1,012,174

Roads ACT recommend that the proposed works on Sternberg Crescent, which includes;

- signalisation of the intersection of Sternberg Crs / Langdon Ave which will also include improvements at Sternberg Crs / Comrie St together with median improvements \$747,430 BCR 1.24
- roundabout at Sternberg Crs / Ashley Dr including median modifications on all approaches \$505,460 BCR 1.3

Table 7

Locations for 2016/17	Treatment Type	*Req. Funding	Update
Kingsford Smith Drive / Southern Cross Drive	Improvements to northbound, westbound and eastbound left turn slip lane (High Angle Approach)	810,000	Awaiting Panel Approval
Belconnen Way / Benjamin Way	Signalise the Benjamin Way southbound left turn lane , provide additional short lane, improve on road cycling facilities	336,000	Awaiting Panel Approval
Sternberg Crs / Langdon Ave	Signalisation, improvements to all median approaches and Comrie St intersection	747,430	Awaiting Panel Approval
Sternberg Crs / Ashley Dr	New roundabout and improvements to all median approaches including pedestrian and on road cycling facilities	505,460	Awaiting Panel Approval
TOTAL		\$2,398,890	

*Funding includes procurement fees feasibility studies costs and contingencies.

APPENDIX A

List of ACT Black Spot Funded Improvements

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
A00001	Pialligo Ave / Ulinga Pl	roundabout	\$350,000
A00006	Mouat St / Archibald St	turning lane	\$50,000
A00003	Southern Cross Dr / Chewings St	turning lane	\$100,000
A00002	Cotter Rd / Dudley St	reinforce priority	\$30,000
A00004	Empire Cir / Tasmania Cir	reinforce priority	\$100,000
A00009	Erindale Dr / Judkins St	turning lane	\$95,000
A00008	Northbourne Ave / Morphett St	pedestrian facilities	\$255,000
A000010	Johnson Dr / Monaro Highway	roundabout	\$380,000
A000013	Canberra Ave / Dominion Circuit	traffic islands	\$25,000
A000012	Kings Avenue / Parkes Way	line markings, signs, footpaths	\$60,000
A000014	Mugga Lane	line marking, signs, shoulder widening, removal of trees	\$173,000
A000015	Northbourne Ave / Elouera St	traffic lights	\$250,000
A000011	Limestone Ave / Anzac Parade	traffic lights	\$30,000 - design only
A000016	Captain Cook Cres / Stuart St	traffic lights	\$360,000
A000017	Cotter Rd / Dudley St	traffic lights	\$130,000
A000019	Ginninderra Drive/ William Webb Drive	traffic lights	\$350,000
A000021	Newman Morris Circuit/ Taverner Street	traffic lights	\$113,000
A000020	Wentworth Ave/ Mildura St	traffic islands	\$50,000
A03001	Limestone Ave / Anzac Parade	Roundabout	\$300,000
A03031	Cotter Rd / McCulloch St	traffic lights	\$315,000
A03003	Bowen Dr / King Edward Tce	intersection improvements	\$73,000
A03004	Hindmarsh Dr / Palmer St	traffic lights	\$400,000
A03011	Hindmarsh Dr / Tuggeranong Parkway East	intersection improvements	\$26,000
A03010	Erindale Dr / Sternberg Cr	intersection improvements	\$21,500
A03009	Canberra Ave / Eyre St	intersection improvements	\$41,000
A03008	Pialligo Ave / Sutton Rd	intersection improvements	\$27,500
A03007	Melrose St / Botany St	traffic lights	\$313,000

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
A03013	Moore St / Rudd St	intersection improvements	\$44,000
A03012	Antill St / Challis St	intersection improvements	\$29,000
A03006	Cotter Rd / Streeton Dr	intersection improvements	\$50,000
A03005	Parkes Way	Underpass design works	\$120,000
A03014	Sulwood Rd / Colquhoun Dr	Right turn lane	\$120,000 + \$90,000 var
A03015	Ashley Dr / Johnson Dr	Roundabout	\$200,000
A03016	Ashley Dr / Statton St	Sight distance improvements	\$25,000
A03017	Melrose Dr / Theodore Dr	Intersection improvements	\$27,000
A03018	Hindmarsh Dr / Eggleston Cres	Intersection improvements	\$21,000
A03019	Coulter Drive / Joynton Smith Drive	traffic lights	\$260,000
A03020	Streeton Drive / Darwinia Terrace	intersection improvements	\$108,000
A03021	Wentworth Avenue / Mildura Street and Leichhardt Street	intersection improvements	\$107,000
A03022	Sulwood Drive / Inkster Street	intersection improvements	\$87,000
A03023	Southern Cross Drive / Starke Street	intersection improvements	\$89,000
A03024	Coppins Crossing Road	Signage, barriers, lighting	\$22,000
A03025	Kuringa Drive / From Tillyard Drive to Kingsford Smith Drive	Signage and lighting	\$50,000
A03026	Emu Bank / From Eastern Valley Way to Soundy Close	Signage and lighting	\$15,500
A03027	Parkes Way/	Signage	\$19,000
A03028	Naas Road bridge approaches / Apollo Road to top of Naas Road	Signage and barriers	\$25,000
Nation Building			
	Captain Cook Cr / Stuart St	Signage, pavement improvements	\$43,467
	Point Hut Rd (Freshford Rd-Jim Pike Ave)	Signage & barriers	\$218,102
	Namatjira Dr / Streeton Dr	Signage & line marking	\$54,938
	Hindmarsh Dr / Tamar St	Pavement improvements	\$135,748
	Yamba Drive / Mawson Drive	traffic lights	\$524,000
	Hindmarsh Drive / Dalrymple Street	Upgrade road surface & improve signage	\$287,450
	Cooyong Street / Mort Street,	Install directional signage	\$170,450
	Northbourne Avenue / Morphett St	High angle approach for left turn from Morphett St	\$15,450
	Ginninderra Drive / Kingsford Smith Dr	Line marking & signage improvements	\$58,450
	Drakeford Drive / Erindale Drive	Upgrade traffic signals	\$325,450
	William Hovell Drive (Coppins Crossing Rd - Drake Brockman Dr)	Upgrade edge lines	\$70,450
	Luxton Street / Lathlain Street	Traffic lights	\$340,000

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
	Belconnen Way / Bindubi Street	Intersection improvements	\$70,450
	Athllon Drive / Drakeford Drive	Intersection improvements	\$252,250
	Oaks Estate Road / Pialligo Avenue,	Upgrade line marking	\$7,640
	Ginninderra Drive / Ellenborough St	Line marking & signage improvements	\$42,450
	Brindabella Road (Cotter Road - Uriarra Road)	Upgrade signage	\$17,750
	Cotter Road (Brindabella Road - Winslade Property Entrance)	Upgrade signage	\$7,640
	Athllon Drive (Sulwood Drive - Beasley Street)	Upgrade edge lines	\$27,550
	Cowper Street / Limestone Avenue	Signal improvements	\$15,000
	Parks Way Clunies Ross St / Edinburgh Av	Signage and line marking improvements	\$128,000
	Canberra Avenue/ Eyre Street	Signage / line marking	\$29,000
	Hindmarsh Drive / Yamba Drive	Left turn improvements	\$530,000
	Yamba Drive / Melrose Drive	Channelization on roundabout	\$84,000
	Hindmarsh Drive / Melrose Drive	Design for intersection improvements	\$59,000
	Brierly Street / Hindmarsh Drive	Signage and line marking improvements	\$45,000
	Tidbinbilla Road (Corin Dam – Point Hut Rd)	Signage and barrier improvements	\$76,000
	Bolderwood Avenue / David Street	Installation of roundabout	\$128,000
	Paddy's River Rd (Laurel Camp Rd – Discovery Dr)	Signage and barrier improvements	\$159,000
	Uriarra Road (Coppins Crossing Rd – Cotter Rd)	Signage and barrier improvements	\$59,000
	Northbourne Avenue / Antill Street	Left turn improvement and road resurfacing	\$555,000
	Kingsford Smith Drive / Kuringa Drive	Signage and intersection improvements	\$18,500
	Brisbane Avenue / State Circle	Signal, lighting improvements	\$28,000
	Wentworth Avenue / Burke Street	Signage and intersection improvements	\$21,800
	Anzac Parade / Blamey Crescent	New signals	\$200,000
	Drakeford Drive / Isabella Drive	Signage and line marking improvements	\$38,515
	Ginninderra Drive / Tillyard Drive	Signage, line marking, island, poles improvements	\$192,512
	Belconnen Way / Springvale Drive	Line marking and poles improvements	\$73,991
	Mugga Lane / Long Gully Road	Left turn storage, line marking pole improvements	\$271,910
	Mass Action Treatments (single vehicle crashes) at various locations	Warning signage, delineation, hazard removal	\$300,000
	College St / Haydon Dr	Pavement surface, traffic signal, light columns and minor intersection improvements	\$313,001
	Drakeford Dr / Summerland Cct South	Signage, line marking, hazard removal/protection	\$209,275

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
	Tharwa Drive/Box Hill Avenue	Improve visibility and lighting	\$62,637
	Girraheen Street /Limestone Avenue	Minor line marking improvements	\$25,600
	Coppins Crossing Road/William Hovell Drive	Reduction of speed limit	\$59,388
	Athllon Drive /Hindmarsh Drive	Signal improvements	\$193,224
	Southern Cross Drive /Kingsford Smith Drive	Signal improvements	\$162,415
	William Hovell Drive/Bindubi Street	Signal improvements	\$119,860
	Monaro Hwy (Hindmarsh Dr – Lanyon Dr)	Enhance speed limit signage. New flashing warning signs before Lanyon Dr	\$183,362 183,200
	Aikman Drive (Emu Bank – Townsend Pl)	Signalise pedestrian crossing	\$250,000
	Challis Street (Cape St – Morphett St)	Painted turn bays and lane definition	\$96,000
	Sandford Street / Gungahlin Drive	Signage improvements	\$16,000
	Kingsford Smith Drive / Spalding Street	Lane reduction	\$130,000
	Athllon Drive / Fincham Crescent	Line of sight improvements	\$40,000
	Macarthur Avenue / David Street / Wattle Street	Signals and signage improvements and upgrade of existing streetlight columns to frangible type	\$187,296
	Eggleston Crescent / Melrose Drive	Partial closure of median. No right turn out of Eggleston Cr	Cancelled
	MELROSE DR / CORINNA ST	speed limit 70km/h to 60 km/h Hindmarsh Dr - Yarra Glen minor intersection improvements	
	YAMBA DR / JULIA FLYNN AV (North)	Channelization in the median and new kerbing	
	CARRUTHERS EAST - YARRA GLENN NORTH RAMP / CARRUTHERS / YARRA GLENN NORTH - CARRUTHERS WEST RAMP	Traffic signal improvements and barrier improvements	
	BELCONNEN WAY / COULTER DR	Install signal mast arms and correct minor deficiencies	
	JERRABOMBERRA AV / CAPTAIN COOK CR / STURT AV	Signalise	
	DRAKEFORD DR / NOOROOMA ST	Correct minor deficiencies	
	DRAKEFORD DR / BARR-SMITH AV	Correct minor deficiencies	
	PIALLIGO AVE / OAKS ESTETE RD	Signalisation	
	Tuggeranong Pkwy (Hind marsh Dr-Sulwood Dr)	Animal Fencing, road side lighting, advance warning signals sign at Sulwood Dr and correction of minor deficiencies	
	Tuggeranong Pkwy (Hindmarsh Dr-Cotter Rd)	Animal Fencing, Linemarking improvements, Barrier upgrade and correction of minor deficiencies	
	GINNINDERRA DR / COULTER DR	Hogh angle approach and cycle path improvements	

BSP No	Location of project	Treatment	Final project cost to Black Spot Program

Black Spot Ranking 2016

5 year crash data (01.01.2011 – 31.12.2015)

Intersection crashes

Intersections	Casualty crashes in 5 years				Casualty Crashes in 2 Yrs	Casualty Crashes in 3 Yrs	Total Crashes in 5 Yrs	Comments
	Fatal crashes	Serious Injury crashes	Minor injury crashes	Total casualty crashes				
Barton Hwy/ William Slim Dr/ Gundaroo Dr	0	3	17	20	9	12	513	2015/16 CW Program
Efkarpidis St/ Hinder St	0	1	16	17	7	11	81	2015/2016 MNW Program
Barry Dr/ Cooyong St/ Northbourne Ave	0	5	10	15	7	9	179	Safety Camera
Ginninderra Dr/ Tillyard Dr	0	3	12	15	10	10	45	2010/11 BS Program
Oaks Estate Rd/ Pialligo Ave	0	4	10	14	7	9	58	2015/16 BS Program
Lanyon Dr/ Monaro Hwy	0	2	11	13	3	9	67	2012 CW Program
Macarthur Ave/Northbourne Ave/ Wakefield Ave	0	2	10	12	3	8	115	2012/13 BS Program
Anzac Pde/ Parkes Way	0	1	10	11	5	9	319	NCA
Athllon Dr/ Drakeford Dr	0	3	8	11	5	6	187	
Anthony Rolfe Ave/ Rosanna St/ Wizard St	0	0	11	11	2	6	39	2013/14 MNW Program
Hindmarsh Dr/ Tuggeranong Pkwy (east)	0	1	9	10	6	7	242	
Melrose Dr/ Yamba Dr/ Yarra Glen	0	2	8	10	4	5	172	2009/10 BS Program
Monaro Dr/ Morshead Dr/ Pialligo Ave	0	2	8	10	1	3	117	CW Program - Majura Pkwy
Belconnen Way/ Gungahlin Dr	1	1	8	10	3	5	101	New Signals 2009
Anthony Rolfe Ave/ Mawby St	0	0	10	10	4	5	55	2012/13 MNW Program
Drakeford Dr/ Noorooma St	1	5	4	10	2	3	33	2013/14 BS Program
Athllon Dr/ Drakeford Dr/ Isabella Dr	0	3	6	9	3	5	227	2012/13 BS Program
Hindmarsh Dr/ Yamba Dr	0	1	8	9	4	5	197	2009/10 BS Program
Hindmarsh Dr/ Melrose Dr	0	1	8	9	3	4	174	2011/12 CW Program
Kingsford Smith Dr/ Southern Cross Dr	0	2	7	9	4	7	124	2011/12 BS Program
Canberra Ave/ Sturt Ave/ Wentworth Ave	0	1	7	8	4	5	253	NCA
Antill St/ Mouat St/ Northbourne Ave	1	1	6	8	5	7	154	2009/10 BS Program
Canberra Ave/ Hindmarsh Dr/ Newcastle St	0	2	6	8	4	4	149	2012/13 Program
Belconnen Way/ Bindubi St/ Eastern Valley Way	0	1	7	8	4	4	136	2009/10 Program
London Cct/ Northbourne Ave	0	1	7	8	4	7	113	Safety Camera
Drakeford Dr/ Johnson Dr/ Woodcock Dr	0	3	5	8	2	3	111	
Boddington Cr/ Drakeford Dr/ Marconi Cr	1	0	7	8	3	7	97	Reseal in 2016/17
Athllon Dr/ Beasley St(south)	0	2	6	8	3	4	39	
Melrose Dr/ Theodore St	0	0	8	8	2	2	27	2012/13 LCT Program
Dumas St/ William Slim Dr	0	3	5	8	4	6	22	
Donaldson St/ Doonkuna St/ Elouera St	0	1	7	8	2	4	20	
Barton Hwy/ Gungahlin Dr ramps(south)	0	2	6	8	4	5	19	
Northbourne Ave/ Swinden St	0	4	4	8	3	4	18	
Ashley Dr/ Isabella Dr	0	0	7	7	3	4	142	Ashley Dr CW Program
Belconnen Way/ Benjamin Way	0	3	4	7	1	2	139	2016/17 BS Program
Ashley Dr/Erindale Dr	0	0	7	7	3	4	132	Ashley Dr CW Program

Intersections	Casualty crashes in 5 years				Casualty Crashes in 2 Yrs	Casualty Crashes in 3 Yrs	Total Crashes in 5 Yrs	Comments
	Fatal crashes	Serious Injury crashes	Minor injury crashes	Total casualty crashes				
Drakeford Dr/Erindale Dr/ Soward Way	0	2	5	7	3	4	88	2008/09 BS Program
Hibberson St/ Hinder St	0	0	7	7	0	5	58	2013/14 MNW Program
Gungahlin Dr/Kosciuszko Ave/ The Valley Way	0	0	7	7	3	3	46	
Southern Cross Dr/ Starke St (west)	0	0	7	7	4	5	42	Future CW Program
Bunda St/ Northbourne Ave/ Rudd St	0	0	7	7	2	3	37	Capital Metro
Furieux St/ Manuka Cir	0	1	6	7	4	5	33	
Coranderrk St/ Parkes Way	0	1	5	6	3	4	412	NCA
Coulter Dr/ Luxton St/ Southern Cross Dr	0	1	5	6	2	3	132	
Barton Hwy/ Federal Hwy/ Northbourne Ave	0	0	6	6	4	4	98	
Box Hill/ Tharwa Dr/ Woodcock Dr	0	2	4	6	1	1	81	2011/12 BS Program
David St/ Macarthur Ave/ Wattle St	0	1	5	6	1	1	79	2012/13 BS Program
Monaro North Ramp/ Morshead Dr	0	1	5	6	4	5	69	Future CW – Majura Parkway
Beltana Rd/ Fairbairn Ave/ Pialligo Ave	0	1	5	6	0	2	66	Future CW – Majura Parkway
Hindmarsh Dr/ Tuggeranong Pkwy (west)	0	2	4	6	5	5	62	
Ginninderra Dr/ William Slim Dr	0	2	4	6	2	4	56	
Coulter Dr/ Ginninderra Dr	0	2	4	6	4	4	55	
Morphett St/ Northbourne Ave	0	1	5	6	3	4	55	2008/09 BS Program
Hindmarsh Dr/ Namatjira Dr	0	4	2	6	3	4	54	
Ashley Dr/ Clift Cr	0	2	4	6	1	4	46	Ashley Dr CW Program
Ernest Cavanagh St/ Gozzard St	0	0	6	6	4	5	43	
Coyne St/Hambidge Cr/ Isabella Dr	0	2	4	6	1	3	40	
Haydon Dr/Mary Potter Cct (south)	0	0	6	6	0	1	38	Signals
Barton Hwy Link/ Ellenborough St	0	1	5	6	4	5	36	
Eggleston Cr/ Hindmarsh Dr	0	1	5	6	2	5	35	Future CW Program
Barry Dr/ Clunies Ross St	0	0	6	6	2	5	34	
Long Gully Rd/ Mugga Ln	0	2	4	6	2	3	34	2010/11 BS Program
Monaro Hwy/ Mugga Ln	0	0	6	6	1	4	34	
Masson St/ McCaughey St	0	2	4	6	2	3	29	
Bateson Rd/ Yamba Dr	1	0	5	6	0	1	26	
Athllon Dr/ Learmonth Dr	0	1	5	6	1	5	24	
Flemington Rd/ Hibberson St/ Kate Crace St	0	0	6	6	2	3	21	
Kingsford Smith Dr/ Spalding St	0	1	5	6	2	3	14	2012/13 BS Program
Gould St/ Moore St	0	0	6	6	4	5	13	
Eggleston Cr/ Melrose Dr	0	1	5	6	0	3	22	2012/13 LCT Program
Austin St/ Barrallier St/ Captain Cook Cr	0	1	5	6	1	3	13	
Baldwin Dr/ Ginninderra Dr/ Haydon Dr	0	1	4	5	3	5	173	
Ginninderra Dr/ Kingsford Smith Dr	0	2	3	5	1	1	92	2008/09 BS Program
Constitution Ave/ Coranderrk St	0	2	3	5	4	4	57	
Athllon Dr/ Langdon Ave/ Atkins St	0	0	5	5	1	3	47	
Flinders Way/ Manuka Cir	0	2	3	5	2	3	42	
Belconnen Way/ Springvale Dr	0	1	4	5	2	2	39	2010/11 BS Program
Hindmarsh Dr/ Launceston St	0	1	4	5	5	5	37	
Angas St/ Ijong St/ Limestone Ave	0	0	5	5	2	2	35	
Cooyong St/ Lonsdale St/ Genge St	0	0	5	5	1	3	35	

Intersections	Casualty crashes in 5 years				Casualty Crashes in 2 Yrs	Casualty Crashes in 3 Yrs	Total Crashes in 5 Yrs	Comments
	Fatal crashes	Serious Injury crashes	Minor injury crashes	Total casualty crashes				
Carruthers St/ Denison St	0	0	5	5	1	2	34	
Carruthers St/ Yarra Glen (west)	0	0	5	5	3	4	31	
Telopea Park/ Wentworth Ave/ Eastlake Pde	0	0	5	5	3	3	30	
Ainslie Ave/ Doonkuna St	1	0	4	5	4	4	28	
Cossington Smith Cr/ Ellenborough St (south)	0	1	4	5	1	2	28	
Coulter Dr/ John Cleland Cr	0	4	1	5	1	2	27	2014/15 BS Program
Lawrence Wackett Cr/ Tharwa Dr (west)	0	2	3	5	3	3	26	
Kuringa Dr/ Owen Dixon Dr	0	1	4	5	2	3	26	
Canberra Ave/ Empire Cct	0	1	4	5	2	3	25	
Antill St/ Federal Hwy	0	1	4	5	0	0	23	2008/09 CW Program
Anthony Rolfe Ave/ Gozzard St	0	0	5	5	0	0	23	
Euree St/ Limestone Ave/ Treloar Cr	0	4	1	5	2	5	21	
Heard St/ Mawson Dr	0	0	5	5	4	5	20	
Clift Cr/ Johnson Dr	0	2	3	5	3	3	17	
Castieau St/ Kingsford Smith Dr	0	1	4	5	2	4	17	
Dawes St/ Wentworth Ave	0	2	3	5	1	2	16	
Hodgson Cr/ Melrose Dr	0	0	5	5	3	4	14	
Phillip Ave/ Windeyer St	0	0	5	5	1	2	14	
Hovea St/ Macarthur Ave	0	0	5	5	2	4	8	
Drakeford Dr/ Sulwood Dr/ Tuggeranong Pkwy	0	0	4	4	2	3	123	
Gungahlin Dr/ Well Station Dr	0	1	3	4	1	1	106	2015/16 CW Program
Hindmarsh Dr/ Monaro Hwy (west)	0	1	3	4	2	2	93	
Aikman Dr/ Ginninderra Dr	0	0	4	4	1	3	93	
Belconnen Way/ Coulter Dr	0	1	3	4	2	3	90	2013/14 BS Program
Cooyong St/ Mort St	0	0	4	4	2	3	55	2008/09 BS Program
Athllon Dr/ Don Dunstan Dr/ Scollay St	0	0	4	4	2	3	50	
Drakeford Dr/ O'Halloran Cct/ Summerland Cct (south)	0	1	3	4	2	3	48	2011/12 BS Program
Antill St/ Badham St	0	0	4	4	1	2	47	
Belconnen Way/ Haydon Dr	0	1	3	4	4	4	46	
Coulter Dr/ Nettlefold St/ Ogilby Cr	0	1	3	4	1	2	44	
Barton Hwy/ Clarrie Hermes Dr/ Kuringa Dr	0	2	2	4	1	1	43	New Signals 2012
Manuka Cir New South Wales Cr/ Telopea Park	0	1	3	4	1	3	40	2014 MNW Program
Condamine St/ Ipima St/ Northbourne Ave	0	2	2	4	2	2	37	
Drakeford Dr/ O'Halloran Cct/ Summerland Cct (north)	0	0	4	4	2	3	36	
Cotter Rd/ Lady Denman Dr	0	3	1	4	3	3	34	
Barry Dr/ Marcus Clarke St	0	0	4	4	4	4	33	
Battye St/ Haydon Dr	0	0	4	4	3	3	32	
Canberra Ave/ Monaro Hwy north ramp	0	1	3	4	0	1	31	2012 CW Program
College St/ Haydon Dr	0	0	4	4	2	2	31	2013/14 CW Program
Gungahlin Dr/ Kelleway Ave/ Wanganeen Ave	0	0	4	4	2	3	29	
Athllon Dr/ Fincham St	0	1	3	4	0	2	28	
Benjamin Way/ Cameron Ave/ Chan St	0	0	4	4	1	2	27	
Mawson Dr/ Yamba Dr	0	1	3	4	1	2	25	2008/09 BS Program
Corinna St/ Melrose Dr	0	0	4	4	2	2	25	2013/14 BS Program
Canberra Ave/ Manuka Cir	0	2	2	4	2	3	24	
Erindale Dr/ Sulwood Dr	0	1	3	4	2	3	23	

Intersections	Casualty crashes in 5 years				Casualty Crashes in 2 Yrs	Casualty Crashes in 3 Yrs	Total Crashes in 5 Yrs	Comments
	Fatal crashes	Serious Injury crashes	Minor injury crashes	Total casualty crashes				
Brisbane Ave/ Macquarie St	0	1	3	4	0	3	23	
Fairfax St/ Dryandra St	0	0	4	4	0	2	20	
Chisholm St/ Donaldson St/ Limestone Ave	0	0	4	4	2	3	20	
Braybrooke St/ Ginninderra Dr	0	1	3	4	3	3	18	
Canberra Ave/ Eyre St/ Lefroy St	0	2	2	4	1	2	18	2009/10 BS Program
Cotter Rd/ Tuggeranong Pkwy (west)	0	1	3	4	2	2	18	
Newcastle St/ Whyalla St	0	1	3	4	2	2	18	
Canberra Ave/ Dalby St	0	0	4	4	2	3	18	
Currie Cr/ Manuka Cir/ New South Wales Cr/ Telopea Park	0	0	4	4	2	2	18	2016/17 RSM Program
Callam St/ Corinna St	0	1	3	4	2	2	17	
Lawrence Wackett Cr/ Tharwa Dr/ Were St	0	0	4	4	2	2	17	
Benham St/ Isabella Dr	0	2	2	4	3	4	13	
Archdall St/ Ginninderra Dr	0	3	1	4	2	2	12	
Ross Smith Cr/ Southern Cross Dr	0	2	2	4	2	3	12	
Coulter Dr/ Lachlan St	0	1	3	4	2	3	12	
Drakeford Dr/ Hurtle Ave	0	2	2	4	1	1	10	
Hindmarsh Dr/ Tyagarah St	0	1	3	4	2	2	10	Investigated BS 2013
Bangalay Cr/ Hindmarsh Dr	0	2	2	4	2	2	7	
Kingsford Smith Dr/ Wirraway Cr	0	2	2	4	0	3	6	
Julia Flynn Ave/ Yamba Dr (south)	0	1	3	4	3	4	6	
Currong St/ Euree St	0	1	3	4	2	2	5	
Erindale Dr/ Sternberg Cr	0	1	2	3	1	1	103	Ashley Dr CW Program
Athllon Dr/ Sulwood Dr	0	0	3	3	0	0	98	
Belconnen Way/ Kingsford Smith Dr	0	0	3	3	0	0	72	
Anzac Pde/ Fairbairn Ave/ Limestone Ave	0	1	2	3	3	3	67	
Gungahlin Dr/ Sandford St	0	1	2	3	1	2	66	Signals BS 2012
Ipswich St/ Newcastle St/ Cessnock St	0	1	2	3	0	0	66	
Hindmarsh Dr/ Jerrabomberra Ave	0	2	1	3	3	3	56	
Canberra Ave/ Captain Cook Cr/ Manuka Cir	1	0	2	3	2	2	55	
Belconnen Way/ Catchpole St/ Lathlain St	0	1	2	3	2	2	54	
Commonwealth Ave/ Parkes Way ramps (south)	0	1	2	3	0	0	47	
Kitchener St/ Yamba Dr	0	0	3	3	1	1	42	
Cohen St/ Westfield Bus Station	0	0	3	3	1	2	42	
Dalrymple St/ Hindmarsh Dr/ Mugga Ln	0	0	3	3	1	2	42	
Girrahween St/ Masson St/ Northbourne Ave	0	1	2	3	1	1	41	
Ainsworth St/ Hindmarsh Dr	0	1	2	3	1	2	41	
Barry Dr/ McCaughey St/ North Rd	0	0	3	3	0	2	41	2012/13 CW Program
Florey Dr/ Ginninderra Dr	0	0	3	3	0	1	40	
Drakeford Dr/ Tharwa Dr	0	1	2	3	1	3	39	
Canberra Ave/ Nyrang St	0	1	2	3	1	1	39	
Lhotsky St/ Tillyard Dr	0	0	3	3	3	3	37	
Alinga St/ Northbourne Ave	0	1	2	3	1	1	36	
Morshead Dr/ Staff Cadet Ave	0	1	2	3	2	3	35	
Kingsford Smith Dr/ Krefft St	0	0	3	3	1	2	35	
Barton Hwy/ Curran Dr	0	3	0	3	0	1	32	Considered At BS 2007/08
Cotter Rd/ Tuggeranong Pkwy (east)	0	0	3	3	3	3	31	
Federal Hwy/ Phillip Ave	0	0	3	3	2	3	31	
Ginninderra Dr/	0	2	1	3	2	2	30	

Intersections	Casualty crashes in 5 years				Casualty Crashes in 2 Yrs	Casualty Crashes in 3 Yrs	Total Crashes in 5 Yrs	Comments
	Fatal crashes	Serious Injury crashes	Minor injury crashes	Total casualty crashes				
William Webb Dr								
Anzac Pde/ Constitution Ave	0	0	3	3	0	2	30	2012 NCA Works
Ashley Dr/ Mcbryde Cr	0	1	2	3	0	2	28	
Gungahlin Dr/ Kosciuszko Ave	0	0	3	3	2	2	27	
Norman Lindsay St/ Tharwa Dr	0	0	3	3	0	0	27	
Dooring St/ Wakefield Ave	0	0	3	3	2	2	26	New Signals 2009
Launceston St/ Yamba Dr	0	2	1	3	1	1	25	
Barry Dr/ Boldrewood St	0	1	2	3	2	3	25	
Captain Cook Cr/ Jerrabomberra Ave/ Sturt Ave	1	1	1	3	1	1	24	2014/15 BS Program
Batman St/ Limestone Ave/ Quick St	0	2	1	3	0	2	24	
Isabella Dr/ Monaro Hwy	0	0	3	3	1	2	22	
National Cct/ Sydney Ave	0	1	2	3	0	1	21	
Hoskins St/ Sandford St	0	1	2	3	1	2	21	
Ashley Dr/ Ellerston Cr	0	0	3	3	2	3	21	Ashley Dr CW Program
Canberra Ave/ Dawes St/ Lockyer St	0	0	3	3	2	2	21	
Aikman Dr/ Cameron Ave/ Eastern Valley Way	0	0	3	3	1	2	21	
Baldwin Dr/ Chuculba Cr	0	0	3	3	2	2	21	
Reed St/ Scollay St (south)	0	2	1	3	2	2	20	
Brewer St/ Melrose Dr	0	0	3	3	1	2	20	
Girrahween St/ Grimes St/ Limestone Ave	0	0	3	3	2	3	18	Signs
Dominion Cct/ Melbourne Ave	0	0	3	3	1	1	18	
Wisdom St/ Yamba Dr	0	1	2	3	1	1	18	
Pialligo Av/ Molonglo Dr	0	1	2	3	0	0	18	
Canberra Ave/ Dominion Cct	0	0	3	3	0	0	18	
Julia Flynn Ave/Yamba Dr	0	2	1	3	0	1	17	2013/14 BS Program
Coppins Crossing Rd/ William Hovell Dr	0	0	3	3	2	2	17	2010/11 BS Program
State Cir/ Sydney Ave	0	2	1	3	1	1	16	Improvement 2012
Badimara St/ Hindmarsh Dr	0	1	2	3	0	1	16	
Cotter Rd/ Swallowtail Rd	0	0	3	3	1	1	16	
Ipswich St/ Wiluna St	0	0	3	3	0	0	16	
Namatjira Dr/Parkinson St	0	0	3	3	2	2	15	
Gundaroo Dr/ Hollingsworth St/ Pallin St	0	0	3	3	2	2	15	
Namatjira Dr/ Streeton Dr	1	1	1	3	2	3	14	
Barry Dr/ Moore St	0	1	2	3	0	1	14	
Ashley Dr/ Barraclough Cr	0	0	3	3	2	2	14	Ashley Dr CW Program
Barritt St/ Boddington Cr	0	2	1	3	0	2	12	
Alexandrina Dr/ Coronation Dr/Flynn Dr	0	1	2	3	1	1	12	
Laurens St/ Taverner St	0	0	3	3	2	3	12	
Horse Park Dr/ Mulligans Flat Rd	0	1	2	3	2	2	11	
Novar St/ Schlich St	0	0	3	3	1	1	11	
Barton Hwy/ Gungahlin Dr ramp (north)	0	0	3	3	0	1	11	
Atkins St/ Livingston Ave	0	1	2	3	3	3	10	
Bonney St/ Cowper St/ Foveaux St	0	1	2	3	0	0	10	
Farrell Pl/ Marcus Clarke St	0	0	3	3	1	2	10	
Pialligo Ave/ Sutton Rd	0	0	3	3	1	1	10	2005/06 BS Program
Copland Dr/ Verbrugghen St	0	2	1	3	2	2	9	
Bandjalong Cr/ Bindubi St/ Lyttleton Cr	0	2	1	3	1	2	9	
Anketell St/ Cowlshaw St	0	1	2	3	1	1	9	
Athllon Dr/ Reed St (south)	0	1	2	3	1	2	9	
Ainslie Ave/ Gooreen St	0	0	3	3	1	2	9	
Mannheim St/ Sulwood Dr	0	1	2	3	1	1	8	

Intersections	Casualty crashes in 5 years				Casualty Crashes in 2 Yrs	Casualty Crashes in 3 Yrs	Total Crashes in 5 Yrs	Comments
	Fatal crashes	Serious Injury crashes	Minor injury crashes	Total casualty crashes				
Battye St/ Watkin St	0	0	3	3	2	2	8	
Curran Dr/ McClelland Ave (west)	0	0	3	3	1	1	8	
Alinga St/ City Walk/ East Row/ Mort St	0	1	2	3	1	2	7	
Dryandra St Link/ Barry Dr	0	1	2	3	1	3	6	
Barrier St/ Ipswich St	0	0	3	3	1	1	6	
Flynn Dr/ State Cir	0	0	3	3	2	2	5	
Goldstein Cr/ Hambidge Cr	0	0	3	3	2	3	5	
Marconi Cr/ Summerland Cct	0	0	3	3	1	2	4	

Total = 232 Intersections

Midblock crashes

Mid-blocks	Casualty crashes in 5 years				Casualty Crashes in 2 Yrs	Casualty Crashes in 3 Yrs	Total Crashes in 5 Yrs	Comments
	Fatal crashes	Serious Injury crashes	Minor injury crashes	Total casualty crashes				
William Hovell Drive (Drake Brockman/ Kingsford Smith - > Coppins Crossing)	0	2	13	15	6	9	74	2008/09 BS Program
Tuggeranong Parkway (Lady Denman south ramps -> Cotter Road north ramps)	0	1	13	14	7	9	135	2014/15 BS Program
Tuggeranong Parkway (Hindmarsh Dr south ramps - > Drakeford /Sulwood)	0	5	9	14	5	10	132	2015/16 BS Program
Tuggeranong Parkway (Cotter Road north ramps -> Cotter Road south ramps)	0	1	11	12	4	8	83	2015/16 BS Program
Monaro Highway (Johnson -> Old Cooma)	0	2	8	10	7	7	41	
Cotter Road (Picnic -> Mt Stromlo Rd)	0	7	3	10	4	6	28	2008/09 BS Program
Gundaroo Drive (Gungahlin -> Ginn/Nari)	0	0	9	9	2	4	192	
Monaro Highway (Hindmarsh Dr south ramps -> Prison Access Road)	0	4	5	9	7	7	78	
Majura Road (Avonley -> Mount Majura Access)	1	4	4	9	2	5	53	
Brindabella Road (Cotter -> Jim Bradley)	0	4	5	9	5	7	17	2008/09 BS Program
Commonwealth Avenue (Flynn Drive north ramps -> Albert Street)	0	0	8	8	3	4	136	
Parkes Way (Glenloch Interchange -> Lady Denman ramp)	0	2	6	8	2	4	100	2011/12 CW Program
Majura Road (Mustang -> Avonley)	0	1	7	8	1	1	49	
Tuggeranong Parkway (Cotter Road south ramps -> Hindmarsh Drive north ramps)	0	1	6	7	1	4	137	2015/16 BS Program
Belconnen Way (Gungahlin Dr east ramps -> Barry Dr)	0	4	3	7	2	3	48	
Gungahlin Drive (Barton Hwy north ramps -> Sandford)	0	1	6	7	3	6	45	

Mid-blocks	Casualty crashes in 5 years				Casualty Crashes in 2 Yrs	Casualty Crashes in 3 Yrs	Total Crashes in 5 Yrs	Comments
	Fatal crashes	Serious Injury crashes	Minor injury crashes	Total casualty crashes				
Gladstone Street (Wollongong -> Albany)	0	1	6	7	3	3	41	
Northbourne Avenue (Condamine/Ipima -> Macarthur/Wakefield)	0	0	6	6	3	5	88	
Monaro Highway (Mugga -> Isabella)	0	4	2	6	3	4	67	
Northbourne Avenue (Alinga -> Bunda/Rudd)	0	1	5	6	3	4	64	
Barton Highway (Bellenden -> Gundaroo/William Slim)	0	2	4	6	4	6	40	
Kuringa Drive (Kingsford Smith -> Tillyard)	0	1	5	6	3	3	38	2007/08 BS Program
Pialligo Avenue (Scherger -> Air Disaster)	0	1	5	6	2	4	37	
Northbourne Avenue (Elouera/Gould -> Girrahween/Masson)	0	0	6	6	2	4	36	
William Hovell Drive (Bindubi -> Glenloch Int.)	0	2	4	6	3	4	35	
Monaro Highway (Isabella -> Old Tuggeranong)	1	2	3	6	2	5	31	
Horse Park Drive (Federal Highway west ramps -> Well Station)	0	2	4	6	2	3	30	
Erindale Drive (Long Gully/Yamba -> Sulwood)	1	2	3	6	3	5	27	
Federal Highway (Barton/Northbourne -> Phillip)	0	0	5	5	1	3	71	
Belconnen Way (Benjamin -> Bindubi/Eastern Valley)	0	1	4	5	2	3	50	
Aikman Drive (Emu -> Townsend)	0	1	4	5	0	0	49	
Canberra Avenue (Mildura Street -> Monaro Highway)	0	3	2	5	4	4	48	
Athllon Drive (Sulwood -> Beasley)	0	1	4	5	4	4	42	2008/09 BS Program
Monaro Highway (Lanyon -> Sheppard)	0	2	3	5	4	4	39	
Tuggeranong Parkway (Lady Denman north ramps -> Lady Denman south ramps)	0	2	3	5	2	4	30	
Mouat Street (Goodwin -> Brigalow)	0	2	3	5	1	2	29	
Melrose Drive (Hindmarsh -> Brewer)	0	1	4	5	1	2	26	
Horse Park Dr (Mapleton/Dugong -> Anthony Rolfe/Gecko)	0	3	2	5	2	3	18	
Paddys River Road (Laurel Camp -> Tidbinbilla)	0	2	3	5	2	4	17	2009/10 BS Program
Kuringa Drive (Barton/Clarrie Hermes -> Owen Dixon)	0	2	3	5	3	4	12	
Kings Highway – east end (ACT/NSW Border -> HQJOC Access Rd)	1	1	3	5	1	1	8	2011/12 CW Program
Hindmarsh Drive (Launceston -> Tuggeranong east)	0	1	3	4	3	3	100	
Parkes Way (Clunies Ross Street east ramps -> Edinburgh Avenue/Lawson Crescent west ramps)	0	1	3	4	1	3	95	2007/08 BS Program

Mid-blocks	Casualty crashes in 5 years				Casualty Crashes in 2 Yrs	Casualty Crashes in 3 Yrs	Total Crashes in 5 Yrs	Comments
	Fatal crashes	Serious Injury crashes	Minor injury crashes	Total casualty crashes				
Federal Highway (Phillip -> Flemington)	0	0	4	4	2	4	69	
William Hovell Drive (Coulter -> Bindubi)	0	0	4	4	2	3	69	
Belconnen Way (Bindubi/Eastern Valley -> Haydon)	0	0	4	4	2	3	64	
Northbourne Avenue (Murdoch -> Antill/Mouat)	0	1	3	4	2	3	63	
Hindmarsh Drive (Tamar -> Tyagarah)	0	1	3	4	0	2	48	
Hindmarsh Drive (Jerrabomberra -> Dalrymple/Mugga)	0	0	4	4	2	2	39	
Mort Street (Cooyong -> Elouera)	0	0	4	4	2	2	34	
Northbourne Avenue (Greenway -> Condamine/Ipima)	0	2	2	4	1	3	33	
Coyne Street (Jackie Howe -> Fihelly)	0	1	3	4	0	1	31	
Ramp from Cotter Road To Tuggeranong Parkway south (Cotter Road -> Tuggeranong Parkway)	0	1	3	4	1	1	27	
Ginninderra Drive (Ellenborough/Mouat/Riggall -> Gungahlin Drive)	0	0	4	4	1	1	23	
Barry Drive (Belconnen Way -> Frith Road north ramp)	0	3	1	4	2	2	21	
Gungahlin Drive (Bandjalong ramp -> Belconnen Way)	0	0	4	4	0	2	20	
Isabella Drive (Benham -> Goldstein/Kellett)	0	2	2	4	1	2	18	
Monaro Highway (Royalla -> Williamsdale)	2	1	1	4	2	3	16	
Ginninderra Drive (Kingsford Smith -> Companion)	1	1	2	4	2	2	15	
Uriarra Road (Fairlight -> Stromlo Forest Park)	0	1	3	4	2	2	12	
Lady Denman Drive (Garryowen -> Greenhills)	0	0	4	4	1	1	11	
Kingsford Smith Drive (Wirraway -> Findlay)	0	1	3	4	1	2	10	
Castleton Crescent (Wheatley -> Coningham)	0	0	4	4	3	3	7	
Belconnen Way (Haydon -> Gungahlin)	0	0	3	3	0	0	57	
Monaro Highway (Prison Access Rd -> Lanyon)	0	1	2	3	3	3	53	
Hindmarsh Drive (Monaro Hwy east -> Jerrabomberra)	0	2	1	3	1	1	47	
Gungahlin Drive (Belconnen Way north ramps -> Ginninderra Drive south ramps)	0	1	2	3	0	1	44	
Emu Bank (Benjamin -> Soundy/Veryard)	0	0	3	3	1	2	43	
Newcastle Street (Molonglo/Wollongong -> Collie)	0	2	1	3	1	2	39	
Cotter Road (Tuggeranong ramps east -> Yarralumla Woolshed Road)	0	1	2	3	1	2	33	
Fairbairn Avenue (Morshead -> Addison)	0	1	2	3	1	1	33	

Mid-blocks	Casualty crashes in 5 years				Casualty Crashes in 2 Yrs	Casualty Crashes in 3 Yrs	Total Crashes in 5 Yrs	Comments
	Fatal crashes	Serious Injury crashes	Minor injury crashes	Total casualty crashes				
Bindubi Street(William Hovell -> Bandjalong/Lyttleton)	1	1	1	3	2	2	32	
Hindmarsh Drive (Dalrymple/Mugga -> Tamar)	0	1	2	3	0	2	32	
Majura Road (Fairbairn -> Spitfire)	0	0	3	3	1	2	31	
Barry Drive (Clunies Ross -> Boldrewood)	0	2	1	3	2	3	28	
Belconnen Way (Coulter -> Catchpole)	0	1	2	3	0	1	27	
Northbourne Avenue (McKay -> Elouera/Gould)	0	0	3	3	1	2	24	
Lady Denman Drive (Barrenjoey -> Cotter)	0	2	1	3	1	2	23	
Gungahlin Drive (Ginninderra Drive north ramps -> Barton Highway south ramps)	0	0	3	3	3	3	23	
Flemington Road (Randwick -> Morisset/Sandford)	0	1	2	3	1	2	20	
Challis Street (Morphett -> Cape)	0	0	3	3	0	1	20	
Parkes Way (Edinburgh/Lawson east ramps -> Commonwealth ramp)	0	1	2	3	0	1	19	
Yamba Drive (Julia Flynn -> Erindale/Long Gully)	0	0	3	3	3	3	18	
Long Gully Road (Erindale/Yamba -> Mugga)	0	2	1	3	0	1	17	
Capital Circle (Canberra -> Adelaide)	0	0	3	3	1	1	16	
Mort Street (Elouera -> Girrahween)	0	0	3	3	1	1	16	
Parkes Way (Coranderrk -> Anzac)	0	1	2	3	0	2	16	
Athllon Drive (Atkins/Langdon -> Sulwood)	0	1	2	3	0	1	15	
Point Hut Road (Freshford -> Jim Pike)	0	3	0	3	1	1	14	2008/09 BS Program
Capital Circle (Capital Circle ramp -> State Circle ramp)	0	0	3	3	2	3	13	
William Slim Drive (Dumas -> Ginninderra)	1	1	1	3	1	1	13	
Isabella Drive (Cockcroft -> Clive Steele/Drumston)	0	0	3	3	1	3	12	
Capital Circle (Commonwealth south ramp -> Canberra)	0	1	2	3	0	0	12	
Adelaide Avenue (Kent Street/Novar Street east -> Cotter)	0	1	2	3	0	1	12	
Giles Street (Tench -> Jardine)	0	0	3	3	1	2	11	
Southern Cross Drive (Chave -> Starke)	0	0	3	3	1	2	11	
Paddys River Road (Cotter -> Laurel Camp)	0	0	3	3	1	1	11	
Canberra Avenue (Dalby -> Nyrang)	0	1	2	3	1	1	11	
Marcus Clarke Street (Alinga -> Rudd)	0	2	1	3	1	1	9	
Ashley Drive (Barraclough -> Isabella)	0	2	1	3	0	0	9	

Mid-blocks	Casualty crashes in 5 years				Casualty Crashes in 2 Yrs	Casualty Crashes in 3 Yrs	Total Crashes in 5 Yrs	Comments
	Fatal crashes	Serious Injury crashes	Minor injury crashes	Total casualty crashes				
Fairfax Street (Barry -> Dryandra/Fairfax)	0	1	2	3	1	1	8	
Clarrie Hermes Drive (Barton/Kuringa -> Kelleway)	0	1	2	3	3	3	7	
Adelaide Avenue (State Circle ramp -> National)	0	1	2	3	1	3	7	
Baldwin Drive (Gum -> Chuculba)	0	2	1	3	2	3	5	
Boboyan Road (Naas/Top Naas -> Orroral)	0	1	2	3	2	2	4	
Corin Road - mid section – 43 km long	0	1	2	3	1	1	3	

Total = 106 mid-blocks

Total locations = 338 (232 intersections + 106 mid-blocks)

BLACK SPOT PROGRAMME ACT CONSULTATIVE PANEL

Meeting No 31

8 March 2016

3:00 – 4:00 pm

Level 7, Macarthur House, Lyneham ACT

Attendees

Zed Seselja, Senator for ACT - Chair

[REDACTED] (Department of Infrastructure and Regional Development)

[REDACTED] (NRMA Motoring and Services)

[REDACTED] (Pedal Power, PP)

[REDACTED] (Australasian College of Road Safety, ACRS)

Geoffrey Davidson (Road Safety Policy, JACS)

Pawel Potapowicz (Roads ACT)

Jayanthi Vikneson (Roads ACT)

Absent with apologies

Rifaat Shoukrallah (Roads ACT)

[REDACTED] (Motorcycle Riders Association ACT, MRA)

Observers

[REDACTED]

1. Introduction and confirmation of draft agenda

Mr Seselja welcomed members to the meeting, and confirmed the agenda items.

[REDACTED] introduced two observers from Pedal Power [REDACTED] and [REDACTED]

2. Matters arising

Roads ACT provided information regarding the outstanding Action Items from the previous meeting in November 2014.

The minutes from the meeting in November 2014 were accepted.

3. Progress update on 2013/14 and 2014/15 projects

Roads ACT provided a progress report on the projects in the 2014/15 and 2015/16 programs.

All projects in the 2014/15 program have been completed.

All projects in the 2015/16 program are under construction and expected to be completed on schedule. However, this program is over-committed by approximately \$417,826.

4. Panel's consideration of projects for the 2016/17 program

Roads ACT presented the Feasibility Study outcomes of four investigated locations (refer to pages 8-9 of the Briefing Notes for Meeting 31).

Roads ACT advised that only the following two projects met the Black Spot BCR criteria:

- Kingsford Smith Drive / Southern Cross Drive
- Belconnen Way / Benjamin Way

Roads ACT tabled the list of 15 project nominations received by Mr Seselja's office (refer to page 10 of the Briefing Notes for Meeting 31). Roads ACT advised that only 10 of the nominated projects met the Black Spot crash criteria. However, the Coyne Street mid-block had traffic management works completed in 2014, five projects already have future investigations planned under Capital Works programs and the remaining 4 ranked out of the top 300 priority sites for Black Spot funding.

Roads ACT also presented investigations completed at two intersections on Sternberg Crescent in response to numerous public complaints (refer to page 11 of the Briefing Notes for Meeting 31).

The panel discussed the recommended treatments for the Sternberg Crescent/Langdon Avenue and Sternberg Crescent/Ashley Drive projects.

Roads ACT advised that the total allocation of Nation Building Black Spot Program funding for ACT in 2016/2017 is \$966,000 with additional \$1.61 million totalling \$2.576 million.

Roads ACT recommended that the two projects that were previously studied and the two intersections on Sternberg Crescent be included in the 2016/17 program.

The panel unanimously endorsed the following package of works for the 2016/17 program:

Projects for 2016/17	Treatments	Req. Funding
Kingsford Smith Drive / Southern Cross Drive	Improvements to northbound, westbound and eastbound left turn slip lane (High Angle Approach)	810,000
Belconnen Way / Benjamin Way	Signalise the Benjamin Way southbound left turn lane , provide additional short lane, improve on road cycling facilities	336,000
Sternberg Crescent / Langdon Avenue	Signalisation, improvements to all median approaches and Comrie St intersection	747,430
Sternberg Crescent / Ashley Drive	New roundabout and improvements to all median approaches including pedestrian and on road cycling facilities	505,460
		\$2,398,890

Action – Proposed program to be recommended to the Federal Minister for approval.

7. Other business

██████████ presented his book *Driving Past* and gave a summary of its contents.

██████████ also informed that he was retiring from the Panel and the ACRS will nominate a new representative for the next Panel meeting.

Mr Seselja thanked ██████████ for his contributions to the Panel, and wished him well in his future endeavours.

8. Next meeting

No date was set for the next meeting; however Roads ACT will organise one for the end of the year (2016) at which a list of sites for investigation and consideration for the 2017/18 program will be prepared by Roads ACT.

Action – Roads ACT to set a date for the next meeting following liaison with Mr Seselja's office.

Action – Mr Seselja's office to coordinate black spot nominations at the end of 2015/16 financial year and provide details to Roads ACT.

Mr Seselja thanked the Panel members for attending and closed the meeting.

Black Spot Ranking 2017

5 year crash data (01.01.2012 – 31.12.2016)

Intersection crashes

Intersection	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Barton Hwy/ Gundaroo Dr/ William Slim Dr	0	3	16	19	6	11	465	2015/16 CW Program
Ginninderra Dr/ Tillyard Dr	0	3	14	17	9	13	46	2010/11 BS Program
Efkarpidis St/ Hinder St	0	1	15	16	6	8	83	2015/2016 MNW Program
Macarthur Ave/ Northbourne Ave/ Wakefield Ave	0	2	11	13	4	5	122	2012/13 BS Program
Lanyon Dr/ Monaro Hwy	0	2	11	13	3	4	73	2012 CW Program
Barry Dr/ Cooyong St/ Northbourne Ave	0	4	8	12	4	7	169	Safety Camera
Anzac Pde/ Parkes Way	0	1	11	12	3	6	355	NCA
Barton Hwy/ Gungahlin Dr ramps (south)	0	2	9	11	6	7	20	
Kingsford Smith Dr/ Southern Cross Dr	0	2	8	10	4	6	126	2011/12 BS Program
Hindmarsh Dr/Tuggeranong Pkwy ramps (east)	0	1	9	10	4	8	238	
London Cir/ Northbourne Ave	0	1	9	10	4	7	119	Safety Camera
Oaks Estate Rd/ Pialligo Ave	0	1	9	10	4	7	53	2015/16 BS Program
Anthony Rolfe Ave/ Rosanna St/ Wizard St	0	0	10	10	1	2	37	2013/14 MNW Program
Belconnen Way/Gungahlin Dr	1	1	7	9	1	4	106	New Signals 2009
Drakeford Dr/ Johnson Dr/ Woodcock Dr	0	5	4	9	4	5	96	
Athllon Dr/ Drakeford Dr	0	4	5	9	2	6	166	
Athllon Dr/ Drakeford Dr/ Isabella Dr	0	3	6	9	4	6	234	2012/13 BS Program
Drakeford Dr/ Noorooma St	0	3	6	9	2	4	28	2013/14 BS Program
Antill St/ Mouat St/ Northbourne Ave	1	1	6	8	3	6	142	2009/10 BS Program
Melrose Dr/ Yamba Dr/ Yarra Glen	0	2	6	8	3	4	160	2009/10 BS Program
Belconnen Way/ Benjamin Way	0	2	6	8	3	3	150	2016/17 BS Program
Belconnen Way/ Bindubi St/ Eastern Valley Way	0	2	6	8	2	5	128	2009/10 Program
Dumas St/ William Slim Dr	0	2	6	8	2	5	20	
Hindmarsh Dr/ Melrose Dr	0	1	7	8	3	5	169	2011/12 CW Program

Intersection	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Eggleston Cr/ Hindmarsh Dr	0	1	7	8	2	4	41	New Signals 2017
Kuringa Dr/ Owen Dixon Dr	0	1	7	8	5	5	34	
Hindmarsh Dr/ Yamba Dr	0	0	8	8	3	5	177	2009/10 BS Program
Barton Hwy Link/ Ellenborough St	0	0	8	8	6	7	35	
Boddington Cr/ Drakeford Dr/ Marconi Cr	1	0	6	7	2	3	94	Reseal in 2016/17
Northbourne Ave/Swinden St	0	3	4	7	2	3	22	
Canberra Ave/ Hindmarsh Dr/ Newcastle St	0	2	5	7	4	5	144	2012/13 Program
Ginninderra Dr/ William Slim Dr	0	2	5	7	2	4	53	
Canberra Ave/ Sturt Ave/ Wentworth Ave	0	1	6	7	2	5	246	NCA
Monaro Hwy/ Morshead Dr/ Pialligo Ave/	0	1	6	7	1	2	97	CW Program – Majura Pkwy
Belconnen Way/ Haydon Dr	0	1	6	7	3	7	57	
Furneaux St/ Manuka Cir	0	1	6	7	3	5	31	
Athllon Dr/ Learmonth Dr	0	1	6	7	3	3	19	
Donaldson St/ Doonkuna St/ Elouera St	0	1	6	7	0	2	13	
Ashley Dr/ Erindale Dr	0	0	7	7	4	5	127	Ashley Dr CW Program
Anthony Rolfe Ave/Mawby St	0	0	7	7	5	5	52	2012/13 MNW Program
Southern Cross Dr/ Starke St (west)	0	0	7	7	3	5	37	Future CW Program
Heard St/ Mawson Dr	0	0	7	7	5	6	28	
Bunda St/ Northbourne Ave/ Rudd St	0	0	7	7	1	3	28	Capital Metro
Euree St/ Limestone Ave/ Treloar Cr	0	4	2	6	2	3	23	
Coulter Dr/ John Cleland Cr	0	3	3	6	2	4	24	2014/15 BS Program
Hindmarsh Dr/Tuggeranong Pkwy ramps (west)	0	2	4	6	0	5	65	
Cossington Smith Cr/ Ellenborough St (south)	0	2	4	6	3	3	28	
Masson St/ Mccaughey St	0	2	4	6	1	2	26	
Lawrence Wackett Cr/ Tharwa Dr (west)	0	2	4	6	3	4	25	
Benham St/ Isabella Dr	0	2	4	6	4	5	19	
Coranderrk St/ Parkes Way	0	1	5	6	3	5	402	NCA
Coulter Dr/ Luxton St/ Southern Cross Dr	0	1	5	6	3	4	139	
David St/ Macarthur Ave/ Wattle St	0	1	5	6	1	2	78	2012/13 BS Program
Monaro Hwy ramp north/ Morshead Dr	0	1	5	6	2	4	66	CW Program - Majura Parkway
Morphett St/ Northbourne Ave	0	1	5	6	1	3	51	2008/09 BS Program
Athllon Dr/ Beasley St (south)	0	1	5	6	3	3	31	
Athllon Dr/ Fincham St	0	1	5	6	2	2	23	

Intersection	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Austin St/ Barrallier St/ Captain Cook Cr	0	1	5	6	0	1	14	
Ashley Dr/ Isabella Dr	0	0	6	6	2	4	144	Ashley Dr CW Program
Hibberson St/ Hinder St	0	0	6	6	1	1	50	2013/14 MNW Program
Ernest Cavanagh St/ Gozzard St	0	0	6	6	1	5	43	
Anzac Pde/ Constitution Ave	0	0	6	6	4	4	31	2012 NCA Works
Canberra Ave/ Dalby St	0	0	6	6	4	4	23	
Melrose Dr/ Theodore St	0	0	6	6	2	2	21	2012/13 LCT Program
Flemington Rd/ Hibberson St/ Kate Grace St	0	0	6	6	0	2	19	
Gould St/ Moore St	0	0	6	6	2	4	11	
Ainslie Ave/ Doonkuna St	1	0	4	5	2	4	23	
Bateson Rd/ Yamba Dr	1	0	4	5	0	0	23	
Hindmarsh Dr/ Namatjira Dr	0	4	1	5	3	3	63	
Coyne St/ Hambidge Cr/ Isabella Dr	0	2	3	5	0	1	38	
Ashley Dr/ Clift Cr	0	2	3	5	0	1	45	Ashley Dr CW Program
Coulter Dr/ Ginninderra Dr	0	2	3	5	3	4	43	
Condamine St/ Ipima St/ Northbourne Ave	0	2	3	5	3	3	36	
Baldwin Dr/ Ginninderra Dr/ Haydon Dr	0	1	4	5	2	3	171	
Drakeford Dr/ Erindale Dr/ Soward Way	0	1	4	5	2	3	81	2008/09 BS Program
Drakeford Dr/ O'Halloran Cct/ Summerland Cct (south)	0	1	4	5	2	3	51	2011/12 BS Program
Hindmarsh Dr/ Launceston St	0	1	4	5	1	5	37	
Erindale Dr/ Sulwood Dr	0	1	4	5	1	3	25	
Brisbane Ave/ Macquarie St	0	1	4	5	2	2	20	
Castieau St/ Kingsford Smith Dr	0	1	4	5	1	3	14	
Hindmarsh Dr/ Tyagarah St	0	1	4	5	2	3	9	Investigated BS 2013
Drakeford Dr/ Sulwood Dr/ Tuggeranong Pkwy	0	0	5	5	3	4	126	
Lhotsky St/ Tillyard Dr	0	0	5	5	3	5	41	
Monaro Hwy/ Mugga Ln	0	0	5	5	0	1	37	
Canberra Ave/Monaro Hwy ramp north	0	0	5	5	2	2	36	2012 CW Program
Drakeford Dr/ O'Halloran Cct/ Summerland Cct	0	0	5	5	2	3	33	
Barry Dr/ Marcus Clarke St	0	0	5	5	2	5	32	
Hindmarsh Dr/ Streeton Dr	0	0	5	5	3	4	31	
Barry Dr/ Clunies Ross St	0	0	5	5	0	2	31	
Carruthers St/ Denison St	0	0	5	5	1	1	30	
Canberra Ave/ Dawes St/ Lockyer St	0	0	5	5	2	4	25	

Intersection	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Currie Cr/Manuka Cir/New South Wales Cr/Telopea Park	0	0	5	5	3	3	20	2016/17 RSM Program
Phillip Ave/ Windeyer St	0	0	5	5	3	3	17	
Hodgson Cr/ Melrose Dr	0	0	5	5	1	3	14	
Hindmarsh Dr/ Jerrabomberra Ave	0	2	2	4	2	4	59	
Constitution Ave/ Coranderrk St	0	2	2	4	4	4	45	
Launceston St/ Yamba Dr	0	2	2	4	1	2	25	
Clift Cr/ Johnson Dr	0	2	2	4	3	3	16	
Barrallier St/ Stuart St	0	2	2	4	4	4	15	
Dawes St/ Wentworth Ave	0	2	2	4	0	1	19	
Canberra Ave/ Eyre St/ Lefroy St	0	2	2	4	0	1	19	2009/10 BS Program
Bandjalong Cr/ Bindubi St/ Lyttleton Cr	0	2	2	4	1	2	11	
Kingsford Smith Dr/ Wirraway St	0	2	2	4	0	0	6	
Erindale Dr/ Sternberg Cr	0	1	3	4	1	2	103	
Belconnen Way/ Coulter Dr	0	1	3	4	1	2	81	2013/14 BS Program
Beltana Rd/ Fairbairn Ave/ Pialligo Ave	0	1	3	4	0	0	64	CW - Majura Parkway
Belconnen Way/ Catchpole St/ Lathlain St	0	1	3	4	4	4	57	
Anzac Pde/ Fairbairn Ave/ Limestone Ave	0	1	3	4	4	4	53	
Barton Hwy/ Clarrie Hermes Dr/ Kuringa Dr	0	1	3	4	2	2	45	New Signals 2012
Morshead Dr/ Staff Cadet Ave	0	1	3	4	2	3	42	
Manuka Cir/ New South Wales Cr/ Telopea Park	0	1	3	4	2	2	41	2014 MNW Program
Flinders Way/ Manuka Cir	0	1	3	4	2	2	41	
Belconnen Way/ Springvale Dr	0	1	3	4	0	2	35	2010/11 BS Program
Hoskins St/ Sandford St	0	1	3	4	3	3	27	
Braybrooke St/ Ginninderra Dr	0	1	3	4	1	3	18	
Horse Park Dr/ Mulligans Flat Rd	0	1	3	4	2	3	13	
Alinga St/ Marcus Clarke St	0	1	3	4	2	2	13	
Kingsford Smith Dr/ Spalding St	0	1	3	4	2	2	13	2012/13 BS Program
Mannheim St/ Sulwood Dr	0	1	3	4	2	2	6	
Julia Flynn Ave/ Yamba Dr (south)	0	1	3	4	1	3	5	
Barton Hwy/ Federal Hwy/ Northbourne Ave	0	0	4	4	2	4	93	
Aikman Dr/ Ginninderra Dr	0	0	4	4	1	1	86	
Cooyong St/ Mort St	0	0	4	4	0	2	51	2008/09 BS Program

Intersection	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Gungahlin Dr/ Kosciuszko Ave/ The Valley Ave	0	0	4	4	2	3	49	
Athllon Dr/ Langdon Ave/ Atkins St	0	0	4	4	0	1	45	
Antill St/ Badham St	0	0	4	4	1	2	42	
Athllon Dr/ Don Dunstan Dr/ Scollay St	0	0	4	4	3	4	41	
Cotter Rd/ Tuggeranong Pkwy ramps (east)	0	0	4	4	3	4	35	
Long Gully Rd/ Mugga Ln	0	0	4	4	1	2	34	Future CW Program
Haydon Dr/ Mary Potter Cct (south)	0	0	4	4	1	1	34	Signals
Cooyong St/ Lonsdale St/ Genge St	0	0	4	4	2	2	33	
Eastlake Pde/ Telopea Park/ Wentworth Ave	0	0	4	4	1	3	32	
Carruthers St/ Yarra Glen (west)	0	0	4	4	2	3	29	
Gungahlin Dr/ Kosciuszko Ave	0	0	4	4	1	3	28	
Canberra Ave/ Empire Cct	0	0	4	4	1	2	24	
Chisholm St/Donaldson St/ Limestone Ave	0	0	4	4	1	2	18	
Antill St/ Federal Hwy	0	0	4	4	1	1	18	2008/09 CW Program
Brierly St/ Hindmarsh Dr	0	0	4	4	2	3	17	
Girrahween St/ Grimes St/ Limestone Ave	0	0	4	4	2	3	17	Signs
Ashley Dr/ Barraclough Cr	0	0	4	4	4	4	13	Ashley Dr CW Program
Cowper St/ Dickson Pl	0	0	4	4	3	4	12	
Battye St/ Watkin St	0	0	4	4	2	3	10	
Farrell Pl/ Marcus Clarke St	0	0	4	4	1	2	10	
Hovea St/ Macarthur Ave	0	0	4	4	1	2	7	
Namatjira Dr/ Streeton Dr (north)	1	1	1	3	1	2	16	
Monaro Hwy/ Old Cooma Rd	1	0	2	3	1	2	6	
Archdall St/ Ginninderra Dr	0	3	0	3	0	0	15	
Cotter Rd/ Lady Denman Dr	0	2	1	3	3	3	42	
Copland Dr/ Verbrugghen St	0	2	1	3	2	2	10	
Ginninderra Dr/ Kingsford Smith Dr	0	2	1	3	1	1	90	2008/09 BS Program
Ginninderra Dr/ William Webb Dr	0	2	1	3	1	2	23	
Barritt St/ Boddington Cr	0	2	1	3	0	0	11	
Gungahlin Dr/ Sandford St	0	1	2	3	0	1	65	Signals BS 2012
Drakeford Dr/ Tharwa Dr	0	1	2	3	1	1	40	
Coulter Dr/ Nettlefold St/ Ogilby Cr	0	1	2	3	1	1	38	
Canberra Ave/ Nyrang St	0	1	2	3	1	1	38	
Girrahween St/ Masson St/ Northbourne Ave	0	1	2	3	1	1	37	

Intersection	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Box Hill Ave/ Tharwa Dr	0	1	2	3	2	2	25	
Benjamin Way/ Cameron Ave/ Chan St	0	1	2	3	2	2	24	
Batman St/ Limestone Ave/ Quick St	0	1	2	3	1	1	23	
Barry Dr/ Boldrewood St	0	1	2	3	1	2	21	
Drake Brockman Dr/ Kingsford Smith Dr/ William Hovell Dr	0	1	2	3	3	3	20	
Canberra Ave/ Manuka Cir	0	1	2	3	0	2	20	
Ashley Dr/ Mcbryde Cr	0	1	2	3	0	0	20	
Eyre St/ Wentworth Ave	0	1	2	3	1	1	19	
Gozzard St/ Gundaroo Dr/ James Kirk St	0	1	2	3	2	2	16	
Callam St/ Corinna St	0	1	2	3	0	2	14	
Ross Smith Cr/ Southern Cross Dr	0	1	2	3	1	2	12	
Pialligo Ave/ Sutton Rd	0	1	2	3	3	3	11	2005/06 BS Program
Dixon Dr/ Hindmarsh Dr	0	1	2	3	2	2	11	
Athllon Dr/ Reed St (south)	0	1	2	3	0	1	9	
Atkins St/ Livingston Ave	0	1	2	3	0	3	8	
Anketell St/ Cowlshaw St	0	1	2	3	1	2	8	
Clarey St/ Kingsford Smith Dr	0	1	2	3	1	1	8	
Flynn Dr/ State Cir	0	1	2	3	1	3	6	
Barry Dr/ Dryandra St Link	0	1	2	3	0	1	6	
Castleton Cr/ Weathers St	0	1	2	3	2	3	3	
Hindmarsh Dr/ Monaro Hwy ramps (west)	0	0	3	3	2	2	94	
Box Hill Ave/ Tharwa Dr/ Woodcock Dr	0	0	3	3	1	2	73	2011/12 BS Program
Belconnen Way/ Kingsford Smith Dr	0	0	3	3	2	2	72	
Cowper St/ Majura Ave	0	0	3	3	2	2	51	
Barry Dr/ Mccaughey St/ North Rd	0	0	3	3	0	0	44	2012/13 CW Program
Pialligo Ave/ Brindabella Cct	0	0	3	3	2	3	43	
Dalrymple St/ Hindmarsh Dr/ Mugga Ln	0	0	3	3	1	1	40	
Kingsford Smith Dr/ Krefft St	0	0	3	3	1	1	38	
Federal Hwy/ Phillip Ave	0	0	3	3	1	2	36	
College Ave/ Haydon Dr	0	0	3	3	0	2	32	2013/14 CW Program
Gungahlin Dr/ Kelleway Ave/ Wanganeen Ave	0	0	3	3	2	2	32	
Ginninderra Dr/ Gungahlin Dr ramps (east)	0	0	3	3	2	3	29	
Aikman Dr/ Cameron Ave/ Eastern Valley Way	0	0	3	3	2	2	27	
Angas St/ Ijong St/ Limestone Ave	0	0	3	3	1	2	27	

Intersection	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Moore St/ Rudd St	0	0	3	3	2	2	26	
Battye St/ Haydon Dr	0	0	3	3	1	3	26	
Norman Lindsay St/ Tharwa Dr	0	0	3	3	1	1	25	
Newcastle St/ Iron Knob St	0	0	3	3	1	2	24	
Mentone View/ Tharwa Dr	0	0	3	3	3	3	22	
Arthur Cir/ Monaro Cr/ Tasmania Cir	0	0	3	3	1	2	22	
Cotter Rd/ Streeton Dr	0	0	3	3	2	2	21	
Corinna St/ Melrose Dr	0	0	3	3	0	2	20	New Signals 2017
Newcastle St/ Whyalla St	0	0	3	3	1	2	20	
Fairfax St/ Dryandra St	0	0	3	3	1	1	20	
Ashley Dr/ Ellerston Cr	0	0	3	3	1	2	19	Ashley Dr CW Program
Mcmillan Cr/ Sturt Ave	0	0	3	3	2	3	18	
Gundaroo Dr/ Hollingsworth St/Pallin St	0	0	3	3	1	2	18	
Eggleston Cr/ Melrose Dr	0	0	3	3	0	0	17	New Signals 2017
Coppins Crossing Rd/ William Hovell Dr	0	0	3	3	3	3	16	2010/11 BS Program
Goyder St/ Jerrabomberra Ave	0	0	3	3	1	3	16	
Brewer St/ Melrose Dr	0	0	3	3	1	2	15	
Laurens St/ Taverner St	0	0	3	3	1	2	15	
Barry Dr/ Moore St	0	0	3	3	1	1	15	
Allambee St/ Doonkuna St	0	0	3	3	1	3	13	
Canberra Ave/ Whyalla St	0	0	3	3	2	2	12	
Lawrence Wackett Cr/ Tharwa Dr/ Were St	0	0	3	3	2	2	12	
Coulter Dr/ Lachlan St	0	0	3	3	1	2	12	
Knoke Ave/ Pockett Ave/ Tharwa Dr	0	0	3	3	2	2	11	
Kintore Cr/ Novar St	0	0	3	3	2	3	10	
Canberra Ave Service Rd / Hely St/ Wentworth Ave	0	0	3	3	1	1	9	
Goldstein Cr/ Hambidge Cr	0	0	3	3	1	2	7	
Barrier St/ Ipswich St	0	0	3	3	0	1	6	
Easty St/ Launceston St	0	0	3	3	1	1	4	
Marconi Cr/ Summerland Cct	0	0	3	3	1	1	4	

Total of 221 intersections

Midblock Crashes

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Tuggeranong Parkway (Hindmarsh Dr south ramps -> Drakeford/ Sulwood)	0	5	9	14	5	7	113	
William Hovell Drive (Drake Brockman/ Kingsford Smith -> Coppins Crossing)	0	2	11	13	3	7	77	2008/09 BS Program
Tuggeranong Parkway (Lady Denman south ramps -> Cotter Road north ramps)	0	1	12	13	5	10	135	Investigated BS 2013
Brindabella Road (Cotter -> Jim Bradley)	0	4	8	12	7	8	21	2008/09 BS Program
Tuggeranong Parkway (Cotter Road north ramps -> Cotter Road south ramps)	0	0	12	12	3	6	87	Proposed For Investigation
Monaro Highway (Johnson -> Old Cooma)	0	2	8	10	6	8	41	
Majura Road (Avonley -> Mount Majura Access)	1	4	4	9	1	2	43	
Barton Highway (Bellenden -> Gundaroo/William Slim)	0	2	7	9	5	7	53	
Commonwealth Avenue (Flynn Drive north ramps -> Albert)	0	0	9	9	2	4	119	
Cotter Road (Picnic -> Mt Stromlo)	1	4	3	8	4	5	26	2008/09 BS Program
Isabella Drive (Benham -> Goldstein/Kellett)	1	3	4	8	4	5	21	
Gungahlin Drive (Barton Hwy north ramps -> Sandford)	0	1	7	8	3	4	52	
Gundaroo Drive (Gungahlin -> Ginn/ Nari)	0	0	7	7	2	4	170	
Belconnen Way (Gungahlin east ramps -> Barry)	0	4	3	7	2	3	42	
Monaro Highway (Hindmarsh south ramps -> David Warren)	0	3	4	7	3	7	89	
Northbourne Avenue (Condamine/Ipima -> Macarthur/Wakefield)	0	1	6	7	2	5	84	
Monaro Highway (Lanyon -> Sheppard)	0	1	6	7	4	7	43	

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Gungahlin Drive (Caswell Dr End -> Belconnen Way north ramps)	0	0	7	7	1	1	37	
Monaro Highway (Royalla -> Williamsdale)	4	1	1	6	3	4	22	
Monaro Highway (Isabella -> Old Tuggeranong)	1	2	3	6	2	2	33	
Monaro Highway (Mugga -> Isabella)	0	4	2	6	1	3	57	
Parkes Way (Clunies Ross east ramps -> Edinburgh /Lawson west ramps)	0	3	3	6	3	4	93	2007/08 BS Program
Newcastle Street (Molonglo/Wollongong -> Collie)	0	2	4	6	4	4	36	
Tuggeranong Parkway (Lady Denman north ramps -> Lady Denman south ramps)	0	2	4	6	2	3	32	
Northbourne Avenue (Alinga -> Bunda/Rudd)	0	1	5	6	3	4	65	
Belconnen Way (Benjamin -> Bindubi/Eastern Valley)	0	1	5	6	2	3	56	
Athllon Drive (Sulwood -> Beasley)	0	1	5	6	3	6	46	2008/09 BS Program
Tuggeranong Parkway (Cotter south ramps -> Hindmarsh north ramps)	0	0	6	6	1	2	141	Proposed For Investigation
Northbourne Avenue (Elouera/Gould -> Girrahween/Masson)	0	0	6	6	2	3	38	
Bindubi Street (William Hovell -> Bandjalong/Lyttleton)	1	1	3	5	3	4	32	
Erindale Drive (Long Gully/Yamba -> Sulwood)	1	1	3	5	1	3	25	
Canberra Avenue (Mildura Street -> Monaro Highway north ramp)	0	3	2	5	2	4	42	
Horse Park Drive (Federal north ramp -> Well Station)	0	3	2	5	2	3	35	
William Hovell Drive (Bindubi -> Glenloch Interchange)	0	2	3	5	0	3	32	
Horse Park Drive (Mapleton/Dugong -> Anthony Rolfe/Gecko)	0	2	3	5	2	3	25	
Paddys River Road (Laurel Camp -> Discovery)	0	2	3	5	2	2	18	2009/10 BS Program
Hindmarsh Drive (Launceston -> Tuggeranong east ramps)	0	1	4	5	2	4	111	

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Parkes Way (Glenloch Interchange -> Lady Denman ramp)	0	1	4	5	0	2	83	2011/12 CW Program
Belconnen Way (Bindubi/Eastern Valley -> Haydon)	0	1	4	5	4	4	70	
Pialligo Avenue (Scherger -> Air Disaster)	0	1	4	5	2	2	39	
Federal Highway (Phillip -> Flemington)	0	0	5	5	2	3	66	
Hindmarsh Drive (Tamar -> Tyagarah)	0	0	5	5	3	3	44	
Kuringa Drive (Kingsford Smith -> Tillyard)	0	0	5	5	2	3	36	2007/08 BS Program
Federal Highway (Barton/Northbourne -> Phillip)	0	0	5	5	2	2	78	
Ginninderra Drive (Kingsford Smith -> Companion)	1	1	2	4	2	2	14	
Northbourne Avenue (Greenway -> Condamine/Ipima)	0	2	2	4	1	1	30	
Kuringa Drive (Barton/Clarrie Hermes -> Owen Dixon)	0	2	2	4	0	3	12	
Barry Drive (Clunies Ross/Froggatt -> Boldrewood)	0	2	2	4	3	3	25	
Baldwin Drive (Gum -> Chuculba)	0	2	2	4	3	3	7	
Northbourne Avenue (Murdoch -> Antill/Mouat)	0	1	3	4	1	2	62	
Monaro Highway (David Warren -> Lanyon)	0	1	3	4	2	4	61	
Aikman Drive (Emu -> Townsend)	0	1	3	4	0	0	38	
Mouat Street (Goodwin -> Brigalow)	0	1	3	4	1	1	26	
Ramp from Cotter to Tuggeranong south (Cotter -> Tuggeranong)	0	1	3	4	0	1	26	
Barry Drive (Belconnen Way -> Frith north ramp)	0	1	3	4	3	4	22	
Coyne Street (Jackie Howe -> Fihelly)	0	1	3	4	0	0	22	
Capital Circle (Commonwealth Ave south ramp -> Canberra)	0	1	3	4	1	1	19	
Southern Cross Drive (Chave -> Starke)	0	1	3	4	1	2	15	
William Hovell Drive	0	0	4	4	2	3	69	

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
(Coulter -> Bindubi)								
Hindmarsh Drive (Jerrabomberra -> Dalrymple/Mugga)	0	0	4	4	1	2	38	
Mort Street (Cooyong -> Elouera)	0	0	4	4	2	2	34	
Drakeford Drive (Barr Smith -> Athllon/Isabella)	0	0	4	4	2	2	19	
Castleton Crescent (Wheatley -> Coningham)	0	0	4	4	1	3	8	
Cotter Road (Brindabella -> Picnic)	1	1	1	3	2	2	8	
Tidbinbilla Road (Point Hut -> Corin)	1	0	2	3	3	3	12	
Lady Denman Drive (Garryowen -> Lady Denman)	1	0	2	3	1	1	9	
Tidbinbilla Road (Booroomba -> Point Hut)	1	0	2	3	1	1	4	
Flemington Road (Epic Access -> Randwick)	0	2	1	3	2	3	40	
Tuggeranong Parkway (Tuggeranong north to William Hovell -> Tuggeranong south to Lady Denman ramp)	0	2	1	3	1	1	29	
Lady Denman Drive (Barrenjoey -> Cotter)	0	2	1	3	0	1	21	Re-Seal 2010
Long Gully Road (Erindale/Yamba -> Mugga)	0	2	1	3	0	0	17	
Caswell Drive (Glenloch Interchange -> Belconnen Way south ramp)	0	1	2	3	1	3	42	
Gladstone Street (Wollongong -> Albany)	0	1	2	3	2	3	39	
Northbourne Avenue (Bunda/Rudd -> Barry/Cooyong)	0	1	2	3	1	1	38	
Flemington Road (Federal -> Epic Access)	0	1	2	3	1	1	31	
Cotter Road (Tuggeranong Pkwy east ramps -> Yarralumla Woolshed)	0	1	2	3	1	2	28	
Drakeford Drive (Athllon/Isabella -> Erindale/Soward)	0	1	2	3	1	1	26	

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Melrose Drive (Hindmarsh -> Brewer)	0	1	2	3	0	1	24	
Flemington Road (Randwick -> Morisset/Sandford)	0	1	2	3	1	1	20	
Parkes Way (Edinburgh/Lawson east ramps -> Commonwealth ramp)	0	1	2	3	0	0	19	
Benjamin Way (Chandler -> Swanson)	0	1	2	3	1	2	17	
Parkes Way (Coranderrk -> Anzac)	0	1	2	3	0	0	16	
London Circuit (London west to Commonwealth south ramp -> Constitution)	0	1	2	3	1	2	14	
Adelaide Avenue (Kent/Novar east ramps -> Cotter ramp)	0	1	2	3	0	0	13	
Uriarra Road (Fairlight -> Stromlo Forest Park)	0	1	2	3	1	2	11	
Clarrie Hermes Drive (Barton/Kuringa -> Kelleway)	0	1	2	3	2	3	10	
Adelaide Avenue (State Circle ramp -> National)	0	1	2	3	0	1	9	
Morshead Drive (Plant -> Staff Cadet)	0	1	2	3	1	1	8	
Brindabella Road (Blue Range -> Brindabella)	0	1	2	3	3	3	6	
Northbourne Avenue (Macarthur/Wakefield -> Morphett)	0	0	3	3	2	2	85	
Emu Bank (Benjamin -> Soundy)	0	0	3	3	2	2	44	
Yamba Drive (Hindmarsh -> Colbeck)	0	0	3	3	1	2	37	
Gungahlin Drive (Ginninderra north ramps -> Barton Highway south ramps)	0	0	3	3	0	3	31	
Hindmarsh Drive (Dalrymple/Mugga -> Tamar)	0	0	3	3	1	1	27	
Northbourne Avenue (Mckay -> Elouera/Gould)	0	0	3	3	0	1	26	

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Belconnen Way (Coulter -> Catchpole)	0	0	3	3	1	1	25	
Ginninderra Drive (Ellenborough/Mouat/Riggall ->Gungahlin east ramps)	0	0	3	3	0	1	25	
Gungahlin Drive (Well Station -> Oodgeroo)	0	0	3	3	1	2	20	
London Circuit (Edinburgh -> Commonwealth north to London ramp)	0	0	3	3	1	1	20	
Yamba Drive (Julia Flynn -> Erindale/Long Gully)	0	0	3	3	1	3	18	
Challis Street (Morphett -> Cape)	0	0	3	3	1	1	18	
Tuggeranong Parkway (Tuggeranong south to Hindmarsh ramp -> Hindmarsh to Tuggeranong north ramp)	0	0	3	3	2	2	16	
Capital Circle west (Capital Circle ramp -> State Circle ramp)	0	0	3	3	1	2	12	
Majura Avenue (Hawdon -> Davenport)	0	0	3	3	2	2	10	
Isabella Drive (Cockcroft -> Clive Steele/Drumston)	0	0	3	3	0	1	9	
Caswell Drive (Belconnen Way south ramp -> Gungahlin Dr Start)	0	0	3	3	2	2	8	

Total of 106 mid-blocks

BLACK SPOT PROGRAMME ACT CONSULTATIVE PANEL

Meeting No 32

7 April 2017
3:00 – 4:30 pm
Level 3, 496 Northbourne Av, Dickson ACT

Attendees

Zed Seselja, Senator for ACT – Chair
[REDACTED] (Department of Infrastructure and Regional Development)
[REDACTED] (Pedal Power, PP)
Naveen Wijemanne (Road Safety Policy, JACS)
[REDACTED] (IAG– on conference call)
Pawel Potapowicz (Roads ACT)
Jayanthi Vikneson (Roads ACT)

Absent with apologies

Robyn Hawkins (Roads ACT)
[REDACTED] (Motorcycle Riders Association ACT, MRA)
[REDACTED] (ACT Road Safety Advisory Board)
[REDACTED] (Australasian College of Road Safety, ACRS)
[REDACTED] (IAG)
[REDACTED] (NCA)
[REDACTED] (Suncorp)

Observer

[REDACTED] (Office of Senator the Hon. Zed Seselja)

1. Introduction and confirmation of draft Agenda

Mr Seselja welcomed members to the meeting, and confirmed the agenda items.

Road ACT provided apologies from absent members.

2. Matters arising from previous minutes

The minutes from the meeting in March 2016 were accepted.
There were no outstanding matters from these minutes.

3. Progress update on 2016/17

All projects in the 2016/17 program are yet to start construction due to delays caused by the Federal and ACT election processes. However, they are all expected to be completed by August 2017. The current program is currently over-committed and Roads ACT plan to reduce the expenditure.

[REDACTED] enquired about the current process of evaluating the effectiveness of completed Black Spot projects, and the possibility of the Panel being informed of the outcomes of any evaluations.

Roads ACT advised that all Black Spot projects are evaluated about 4 years after completion, as the evaluation compares 'before' crash records with 'after' crash records. Roads ACT has no objections to presenting the outcomes of these Evaluations at future meetings.

██████████ noted no other jurisdictions table outcomes at Panel meetings, and advised that there was a 2012 national evaluation of the Black Spot programme by BITRE which she offered to circulate. The link to the BITRE evaluation is available at https://bitre.gov.au/publications/2012/report_126.aspx

The Panel decided that the outcomes of Black Spot Evaluations will be tabled as an item in future meetings.

Action – Roads ACT to include Evaluation Outcomes as an Agenda item for future meetings.

4. Update on feasibility studies

Roads ACT presented the Feasibility Study outcomes of eight investigated locations (refer to pages 7-9 of the Briefing Notes for Meeting 32).

The panel discussed the recommended treatments for the eight studied projects.

5. Panel's consideration of projects for the 2017/18 program

Roads ACT advised that the total allocation of Black Spot funding for ACT in 2017/2018 is back to the annual allocation \$966,000. The criteria projects have to meet have also reverted back to 3 casualty crashes in a 5-year period and a B/C ratio of 2.0.

Roads ACT tabled the list of project nominations received by Mr Seselja's office (refer to page 10 of the Briefing Notes for Meeting 32). Roads ACT advised that only 2 of the nominated projects met Black Spot criteria.

Roads ACT recommended that the Telopea Park / Currie Crescent intersection which was studied previously as part of a road safety audit and has designs ready for implementation (costing \$190,000) be included in the 2017/18 program.

The panel unanimously endorsed the following package of works for the 2017/18 program:

Locations for 2017/18	Treatment Type	*Req. Funding
Monaro Highway (Angle Crossing Rd – Old Cooma Rd)	Install strategic barrier lines	105,000
Athllon Dr / Don Dunstan Dr / Scollay St	Change angle of Hold Line for western approach, increase deflection on western side of roundabout, and speed reduction and line marking changes on southern approach.	132,000
Drakeford Dr / Johnson Dr / Woodcock Dr	Install B size Give Way signs and fix minor deficiencies. Rumble strips on Drakeford and Johnson Dr approaches	105,000
Furneaux St / Manuka Circle	Improve sight distance and tighten the intersection STOP control	252,000
Ainslie St/ Doonkuna St	Speed cushions to improve compliance at STOP control	84,000
Telopea Park / Currie Cr	Improvements to visibility kerb realignment including refuge island	190,000
Barton Highway access road / Ellenborough St	Speed cushions on the stub approach to Ellenborough St	23,500
TOTAL		\$891,500

*Req. Funding includes procurement fees, feasibility studies costs and contingencies.

Action – Proposed program to be recommended to the Federal Minister for approval.

7. Other business

█ enquired about the status of nominated projects that did not meet the Black Spot criteria.

Roads ACT advised that these projects will be investigated and considered in future Black Spot or Capital Works programs.

8. Next meeting

No date was set for the next meeting; however Roads ACT will organise one for the end of the year (2017) at which a list of sites for investigation and consideration for the 2018/19 program will be prepared by Roads ACT.

Action – Roads ACT to set a date for the next meeting following liaison with Mr Seselja's office.

Action – Mr Seselja's office to coordinate Black Spot nominations at the end of 2016/17 financial year and provide details to Roads ACT.

Mr Seselja thanked the Panel members for attending and closed the meeting.

Subsequent to the meeting Roads ACT received additional feedback from the Mr Wijemanne.

“Since the meeting, I have had a discussion with my Director, Geoff Davidson, on the agreed package of works for the 2017/18 black spot program, and in light of █ comments about the proposed treatment on Monaro Highway, we would like to make the following additional remarks:

- *Consideration be given to a Wide Centre Line treatment for Monaro Highway to reduce the risk of head-on collisions. Wide Centre Lines are a cost effective treatment for mid-blocks where there is a high risk of head-on collision. Bruce Highway in Queensland is an example where this treatment has been delivered successfully where there has been an approximate 25 per cent reduction in casualty crashes since its implementation.*

- *Conduct a Safe System Audit on Monaro Highway (Angel Crossing Road – Old Cooma Road). As you would be aware, a Safe System Audit is different to a Road Safety Audit as it applies safe system principles to identify the level of safe system compliance and treatments that would eliminate fatalities. The audit can support future funding decisions under the black spot program as the current program criteria allows up to 40% of funding to be allocated for the proactive treatment of unsafe roads on the basis of a road safety audit.*
- *We would also support a reduction to the speed limit on this stretch of road on the Monaro Highway as it is currently not safe system compliant (currently there is no centre barrier and/or wide shoulder)."*

Roads ACT advised that as discussed in the panel meeting with the current funding for the ACT being under \$1 million, Black Spot Program is about relatively low cost safety works.

Roads ACT would welcome the outcome used on Bruce Highway in Queensland applied in the ACT however for the Wide Centre Line treatment to be feasible on Monaro Highway, substantial pavement widening would be required which is beyond the scope of this program and is unlikely to meet the required BCR of the Black Spot project.

The preferred option for this section of road was the implementation of the overtaking lanes, which as agreed at the meeting will be the recommendation of the Panel that will go through as a potential capital works project. Roads ACT will also recommend that Safe System Audit be implemented prior to further design assessment.

Roads ACT thanked for the support to the reduction of the speed limit. This was considered by the study but not found appropriate due to the number of reasons mainly related to the nature of Monaro Highway and the type of crashes (not speeding related).



ACT
Government

Transport Canberra
and City Services

ACT BLACK SPOT CONSULTATIVE PANEL

Meeting No 32

BRIEFING NOTES

April 2017

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Appendix A – List of ACT Black Spot Funded Improvements

1. INTRODUCTION

To date, 112 projects have been funded in the ACT under the Australian Government Black Spot Program. A list of these projects is at Appendix A.

The Australian Government will provide \$300 million (\$60 million per annum) to extend the Black Spot Program for a further 5 years from 2014-15 to 2018-19.

Additional funding under the Asset Recycling Fund Projects – Infrastructure Growth Package – New Investments will be provided by the Federal Government in 2015/16 and 2016/17 totalling \$3.22 million (\$1.61 million per annum).

The program will continue to fund relatively low cost safety works such as roundabouts, crash barriers and street lighting in places where there have been serious crashes or where serious crashes are likely to occur.

The value of Black Spot funding for the ACT in 2017/18 is \$966,000.

Details of the general requirements for Black Spot projects are outlined in the Black Spot Program Notes on Administration.

<http://investment.infrastructure.gov.au/funding/blackspots/>

The Territory and Municipal Services Directorate's (TAMS) applies these requirements in the following way:

- 1) The objective is to treat sites with demonstrated serious crash rates
- 2) The sites need to be amenable to cost effective treatment with a Benefit to Cost cut off at 2.0
- 3) Projects also need to be able to be delivered in a specific time frame.

2. ACT CRASH DEFINITIONS

The following standard definitions are used to define crash severity in the ACT:

Fatal crash	a motor vehicle crash which involves at least one fatality within 30 days of the crash taking place
Injury crash	a motor vehicle crash where at least one person receives injuries that require medical attention either at the scene of the crash or in hospital
Property damage crash	a motor vehicle crash where no fatalities or injuries result but damage to property is sustained.

Typically in the ACT about 8,000 on-road motor vehicle crashes occur annually. The associated breakdown of crash severity is:

Fatal	0.1%
Injury	5.0%
Property	94.9%

3. ACT BLACK SPOT IDENTIFICATION PROCESS

The following approach is adopted for selecting Black Spot sites in the ACT:

- 1) For intersections: identify locations which meet the crash history criteria. The minimum eligibility criterion is a history of at least 3 casualty crashes over a 5 year period. Locations where no positive controls exist are given preference for selection if crash rates and rankings are similar.

For mid blocks: a similar process is followed for a section of road.

- 2) Identify cost effective solutions and rank on the basis of the benefit/cost ratio.

In addition to the above, up to 30% of Black Spot funds may be used for the treatment of sites that may not meet the crash history criteria, but which have been recommended as part of an official road safety audit report.

Treatments that can be delivered in the year that funding is available are given preference when other criteria are similar.

(See the Notes on Administration for Land Transport Infrastructure Projects for further details).

4. CURRENT STATUS OF 2016/17 PROJECTS

Table 1

Locations	Treatment Type	Funding	Expenditure	Update
Black Spot Projects 2016/17 \$966,000 + \$1,61mil = \$2,576mil Overcommitment from 2015/16 (\$417,826) Hence available funding = \$2,158,174				
Kingsford Smith Drive / Southern Cross Drive	Improvements to northbound, westbound and eastbound left turn slip lane (High Angle Approach)	810,000	53,055	Tender Evaluation
Belconnen Way / Benjamin Way	Signalise the Benjamin Way southbound left turn lane , provide additional short lane, improve on road cycling facilities	336,000	24,903	Tender Evaluation
Sternberg Crs / Langdon Ave	Signalisation, improvements to all median approaches and Comrie St intersection	747,430	69,056	Construction
Sternberg Crs / Ashley Dr	New roundabout and improvements to all median approaches including pedestrian and on road cycling facilities	505,460	18,556	Construction
TOTAL		\$2,398,890	\$165,570	

2016/17 program over committed by \$240,716

6. UPDATE ON FEASIBILITY STUDIES FOR 2017/18 PROGRAM

Roads ACT implemented a package of feasibility studies of high crash rate intersections as well Monaro Highway.

The following locations were investigated further with the summary of the results shown in Table 2 below.

INTERSECTIONS OF:

- Drakeford Drive / Johnson Drive / Woodcock Drive
- Drakeford Drive / Boddington Crescent / Marconi Crescent
- Athllon Drive / Don Dunstan Drive / Scollay Street
- Emu Bank / Luxton Street
- Furneaux Street / Manuka Circle
- Barton Highway access road / Ellenborough Street
- Ainslie Street/ Doonkuna Street

MIDBLOCK OF:

- Monaro Highway (Angel Crossing Road – Old Cooma Road)

Table 2

Location	Est. BCR	* RSA	Study Findings	Est. Cost (\$)	Roads ACT Position	** Funding \$
Monaro Highway (Angel Crossing Road – Old Cooma Road)	Option 1 – N/A Option 2 – 7.7 Option 3 – 5.9 Option 4 – 1.2 Option 5 – 8.4 Option 6 – 0.0 Option 7 – 0.2		Option 1 – N/A Option 2 – Install strategic barrier lines Option 3 – Install full length barrier lines Option 4 – Median wire rope Option 5 – Overtaking lines Option 6 – Painted right turn storage at Angle Crossing Option 7 – Left turn lane at Old Cooma Rd	70,000	Option 2 Recommended for the 2017/18 program	105,000
Athllon Drive / Don Dunstan Drive / Scollay Street	Option 1 – 5.3		Option 1 – Change Angle of Hold Line for wester approach, Increased deflection on western side of roundabout, and speed reduction and line marking changes on southern approach	90,000	Option 1 Recommended for the 2017/18 program	132,000
Drakeford Drive / Johnson Drive / Woodcock Drive	Option 1 – 0.4 Option 2 – 0.4 Option 3 – 3.4 Option 4 – 0.2 Option 5 – 0.2 Option 6 – 2.6		Option 1 – Provision of free left turn Option 2 – Provision of third approach lane on Drakeford Dr Option 3 – Install B size Give Way signs Option 4 – Convert to signals Option 5 – Reverse Curves Option 6 – Rumble strips on Drakeford and Johnson Dr approaches	70,000	Option 3 and 6 recommended for the 2017/18 program	105,000
Furneaux Street / Manuka Circle	Option 1 – 3.3 Option 2 – 1.5 Option 3 – 5.0		Option 1 – Improve sight distance and tighten the intersection STOP control Option 2 – Signalise the Intersection Option 3 – Convert the intersection to Left-in/ Left out	178,900	Option 1 recommended for the 2017/18 program	252,000
Ainslie Street/ Doonkuna Street	Option 1 – 1.1 Option 2 – 3.0 Option 3 – 7.7		Option 1 – Signals Option 2 – Speed cushions to improve compliance at STOP control Option 3 – Ban trough movement	55,000	Option 2 Recommended for the 2017/18 program	84,000
Barton Highway access road / Ellenborough Street	Option 1 – 5.3 Option 2 – 2.4	yes	Option 1 – Roundabout on Ellenborough St Option 2 – Signalisation Interim measure – speed cushions	1,180,000 550,000 10,000	Beyond the scope of the program, progress capital works program. Recommended interim measure-speed cushions on the stub approach to Ellenborough St	23,500

Emu Bank / Luxton Street	Option 1 – 1.7 Option 2 – 1.8 Option 3 – 2.0		Option 1 – Pavement marking and minor kerb improvements Option 2 – Locally widen carriageways and line marking Option 3 - Localised pavement regrading	80,000	Consider it in future program	0
Drakeford Drive / Boddington Crescent / Marconi Crescent	Option 1 – 0.4 Option 2 – 1.6		Option 1 – Convert the approach angle of free left lanes to 70°. Option 2 – Additional Mast Arm	490,000 70,000	Does not meet the required criteria	0

*RSA - Roads Safety Audit recommendations.

**Funding includes procurement fees, feasibility studies costs and contingencies.

7. UPDATE ON RECEIVED NOMINATIONS

INTERSECTIONS	MEETS BLACK SPOT CRITERIA	COMMENTS
National Circuit / Hobart Avenue	No	No casualty crashes in the last 5 years. Design ready as part of RSA
Telopea Park / Currie Crescent	Yes	Design ready as part of RSA
Oeks Estate (various)	No	Low crash rate. Roads ACT currently investigating parking improvements. Antisocial behaviour issues

MIDBLOCKS	MEETS BLACK SPOT CRITERIA	COMMENTS
Monaro Highway (Angle Crossing Road – Old Cooma Road)	Yes	High number of fatal crashes

INTERSECTION	REASON FOR INCLUSION	5 YEAR CRASH HISTORY (2011– 2015)				NUMBER OF CASUALTY CRASHES IN 5 YEARS	BLACK SPOT RANKING
		Fatals	Serious Injuries	Minor Injuries	PDO		
Drakeford Drive / Johnson Drive / Woodcock Drive	Nominated by Roads ACT	0	3	5	103	8	26
Drakeford Drive / Boddington Crescent / Marconi Crescent	Nominated by Roads ACT	1	0	7	89	8	27
Furneaux Street / Manuka Circle	Nominated by Roads ACT	0	1	6	26	7	42
Barton Highway access road / Ellenborough Street	Nominated by Roads ACT	0	1	5	30	6	59
Ainslie Street/ Doonkuna Street	Nominated by Roads ACT	1	0	4	23	5	83
Athllon Drive / Don Dunstan Drive / Scollay Street	Nominated by Roads ACT	0	0	4	46	4	Outside top 100 (105)
Telopea Park / Currie Crescent	Nominated by the public	0	0	4	12	4	Outside top 100
Emu Bank / Luxton Street	Nominated by Roads ACT	0	0	0	70	0	N/A

MIDBLOCKS	REASON FOR INCLUSION	5 YEAR CRASH HISTORY (2011 – 2015)				NUMBER OF CASUALTY CRASHES IN 5 YEARS	BLACK SPOT RANKING
		Fatals	Serious Injuries	Minor Injuries	PDO		
Monaro Highway (Angle Crossing Road – Old Cooma Road)	Nominated by Public	3	3	2	25	8	4

8. SUGGESTED PROGRAM FOR 2017/18

The total allocation of Nation Building Black Spot Program funding for ACT in 2017/2018 is \$966,000 with 2016/17 currently overcommitted by \$240,716. This leaves total of \$725,284 available for the 2017/18 program.

Site studied previously as part of road safety audit with designs ready for implementation;

- Telopea Park / Currie Crescent \$190,000

Table 7

Locations for 2017/18	Treatment Type	*Req. Funding	Update
Monaro Highway (Angle Crossing Road – Old Cooma Road)	Install strategic barrier lines	105,000	Awaiting Panel Approval
Athllon Drive / Don Dunstan Drive / Scollay Street	Change Angle of Hold Line for western approach, Increased deflection on western side of Roundabout, and speed reduction and line marking changes on southern approach.	132,000	Awaiting Panel Approval
Drakeford Drive / Johnson Drive / Woodcock Drive	Install B size Give Way signs and fix minor deficiencies. Rumble strips on Drakeford and Johnson Dr approaches	105,000	Awaiting Panel Approval
Furneaux Street / Manuka Circle	Improve sight distance and tighten the intersection STOP control	252,000	Awaiting Panel Approval
Ainslie Street/ Doonkuna Street	Speed cushions to improve compliance at STOP control	84,000	Awaiting Panel Approval
Telopea Park / Currie Crescent	Improvements to visibility kerb realignment including refuge island	190,000	Awaiting Panel Approval
Barton Highway access road / Ellenborough Street	Speed cushions on the stub approach to Ellenborough St	23,500	Awaiting Panel Approval
TOTAL		\$891,500	

*Funding includes procurement fees feasibility studies costs and contingencies.
Over committed by \$166,216

APPENDIX A

List of ACT Black Spot Funded Improvements

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
A00001	Pialligo Ave / Ulinga Pl	roundabout	\$350,000
A00006	Mouat St / Archibald St	turning lane	\$50,000
A00003	Southern Cross Dr / Chewings St	turning lane	\$100,000
A00002	Cotter Rd / Dudley St	reinforce priority	\$30,000
A00004	Empire Cir / Tasmania Cir	reinforce priority	\$100,000
A00009	Erindale Dr / Judkins St	turning lane	\$95,000
A00008	Northbourne Ave / Morphett St	pedestrian facilities	\$255,000
A000010	Johnson Dr / Monaro Highway	roundabout	\$380,000
A000013	Canberra Ave / Dominion Circuit	traffic islands	\$25,000
A000012	Kings Avenue / Parkes Way	line markings, signs, footpaths	\$60,000
A000014	Mugga Lane	line marking, signs, shoulder widening, removal of trees	\$173,000
A000015	Northbourne Ave / Elouera St	traffic lights	\$250,000
A000011	Limestone Ave / Anzac Parade	traffic lights	\$30,000 - design only
A000016	Captain Cook Cres / Stuart St	traffic lights	\$360,000
A000017	Cotter Rd / Dudley St	traffic lights	\$130,000
A000019	Ginninderra Drive/ William Webb Drive	traffic lights	\$350,000
A000021	Newman Morris Circuit/ Taverner Street	traffic lights	\$113,000
A000020	Wentworth Ave/ Mildura St	traffic islands	\$50,000
A03001	Limestone Ave / Anzac Parade	Roundabout	\$300,000
A03031	Cotter Rd / McCulloch St	traffic lights	\$315,000
A03003	Bowen Dr / King Edward Tce	intersection improvements	\$73,000
A03004	Hindmarsh Dr / Palmer St	traffic lights	\$400,000
A03011	Hindmarsh Dr / Tuggeranong Parkway East	intersection improvements	\$26,000
A03010	Erindale Dr / Sternberg Cr	intersection improvements	\$21,500
A03009	Canberra Ave / Eyre St	intersection improvements	\$41,000
A03008	Pialligo Ave / Sutton Rd	intersection improvements	\$27,500
A03007	Melrose St / Botany St	traffic lights	\$313,000
A03013	Moore St / Rudd St	intersection improvements	\$44,000

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
A03012	Antill St / Challis St	intersection improvements	\$29,000
A03006	Cotter Rd / Streeton Dr	intersection improvements	\$50,000
A03005	Parkes Way	Underpass design works	\$120,000
A03014	Sulwood Rd / Colquhoun Dr	Right turn lane	\$120,000 + \$90,000 var
A03015	Ashley Dr / Johnson Dr	Roundabout	\$200,000
A03016	Ashley Dr / Statton St	Sight distance improvements	\$25,000
A03017	Melrose Dr / Theodore Dr	Intersection improvements	\$27,000
A03018	Hindmarsh Dr / Eggleston Cres	Intersection improvements	\$21,000
A03019	Coulter Drive / Joynton Smith Drive	traffic lights	\$260,000
A03020	Streeton Drive / Darwinia Terrace	intersection improvements	\$108,000
A03021	Wentworth Avenue / Mildura Street and Leichhardt Street	intersection improvements	\$107,000
A03022	Sulwood Drive / Inkster Street	intersection improvements	\$87,000
A03023	Southern Cross Drive / Starke Street	intersection improvements	\$89,000
A03024	Coppins Crossing Road	Signage, barriers, lighting	\$22,000
A03025	Kuringa Drive / From Tillyard Drive to Kingsford Smith Drive	Signage and lighting	\$50,000
A03026	Emu Bank / From Eastern Valley Way to Soundy Close	Signage and lighting	\$15,500
A03027	Parkes Way/	Signage	\$19,000
A03028	Naas Road bridge approaches / Apollo Road to top of Naas Road	Signage and barriers	\$25,000
Nation Building			
	Captain Cook Cr / Stuart St	Signage, pavement improvements	\$43,467
	Point Hut Rd (Freshford Rd-Jim Pike Ave)	Signage & barriers	\$218,102
	Namatjira Dr / Streeton Dr	Signage & line marking	\$54,938
	Hindmarsh Dr / Tamar St	Pavement improvements	\$135,748
	Yamba Drive / Mawson Drive	traffic lights	\$524,000
	Hindmarsh Drive / Dalrymple Street	Upgrade road surface & improve signage	\$287,450
	Cooyong Street / Mort Street,	Install directional signage	\$170,450
	Northbourne Avenue / Morphett St	High angle approach for left turn from Morphett St	\$15,450
	Ginninderra Drive / Kingsford Smith Dr	Line marking & signage improvements	\$58,450
	Drakeford Drive / Erindale Drive	Upgrade traffic signals	\$325,450
	William Hovell Drive (Coppins Crossing Rd - Drake Brockman Dr)	Upgrade edge lines	\$70,450
	Luxton Street / Lathlain Street	Traffic lights	\$340,000
	Belconnen Way / Bindubi Street	Intersection improvements	\$70,450

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
	Athllon Drive / Drakeford Drive	Intersection improvements	\$252,250
	Oaks Estate Road / Pialligo Avenue,	Upgrade line marking	\$7,640
	Ginninderra Drive / Ellenborough St	Line marking & signage improvements	\$42,450
	Brindabella Road (Cotter Road - Uriarra Road)	Upgrade signage	\$17,750
	Cotter Road (Brindabella Road -Winslade Property Entrance)	Upgrade signage	\$7,640
	Athllon Drive (Sulwood Drive - Beasley Street)	Upgrade edge lines	\$27,550
	Cowper Street / Limestone Avenue	Signal improvements	\$15,000
	Parks Way Clunies Ross St / Edinburgh Av	Signage and line marking improvements	\$128,000
	Canberra Avenue/ Eyre Street	Signage / line marking	\$29,000
	Hindmarsh Drive / Yamba Drive	Left turn improvements	\$530,000
	Yamba Drive / Melrose Drive	Channelization on roundabout	\$84,000
	Hindmarsh Drive / Melrose Drive	Design for intersection improvements	\$59,000
	Brierly Street / Hindmarsh Drive	Signage and line marking improvements	\$45,000
	Tidbinbilla Road (Corin Dam – Point Hut Rd)	Signage and barrier improvements	\$76,000
	Bolderwood Avenue / David Street	Installation of roundabout	\$128,000
	Paddy’s River Rd (Laurel Camp Rd – Discovery Dr)	Signage and barrier improvements	\$159,000
	Uriarra Road (Coppins Crossing Rd – Cotter Rd)	Signage and barrier improvements	\$59,000
	Northbourne Avenue / Antill Street	Left turn improvement and road resurfacing	\$555,000
	Kingsford Smith Drive / Kuringa Drive	Signage and intersection improvements	\$18,500
	Brisbane Avenue / State Circle	Signal, lighting improvements	\$28,000
	Wentworth Avenue / Burke Street	Signage and intersection improvements	\$21,800
	Anzac Parade / Blamey Crescent	New signals	\$200,000
	Drakeford Drive / Isabella Drive	Signage and line marking improvements	\$38,515
	Ginninderra Drive / Tillyard Drive	Signage, line marking, island, poles improvements	\$192,512
	Belconnen Way / Springvale Drive	Line marking and poles improvements	\$73,991
	Mugga Lane / Long Gully Road	Left turn storage, line marking pole improvements	\$271,910
	Mass Action Treatments (single vehicle crashes) at various locations	Warning signage, delineation, hazard removal	\$300,000
	College St / Haydon Dr	Pavement surface, traffic signal, light columns and minor intersection improvements	\$313,001
	Drakeford Dr / Summerland Cct South	Signage, line marking, hazard removal/protection	\$209,275
	Tharwa Drive/Box Hill Avenue	Improve visibility and lighting	\$62,637

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
	Girrahween Street /Limestone Avenue	Minor line marking improvements	\$25,600
	Coppins Crossing Road/William Hovell Drive	Reduction of speed limit	\$59,388
	Athllon Drive /Hindmarsh Drive	Signal improvements	\$193,224
	Southern Cross Drive /Kingsford Smith Drive	Signal improvements	\$162,415
	William Hovell Drive/Bindubi Street	Signal improvements	\$119,860
	Monaro Hwy (Hindmarsh Dr – Lanyon Dr)	Enhance speed limit signage. New flashing warning signs before Lanyon Dr	\$183,362 183,200
	Aikman Drive (Emu Bank – Townsend Pl)	Signalise pedestrian crossing	\$250,000
	Challis Street (Cape St – Morphett St)	Painted turn bays and lane definition	\$96,000
	Sandford Street / Gungahlin Drive	Signage improvements	\$16,000
	Kingsford Smith Drive / Spalding Street	Lane reduction	\$130,000
	Athllon Drive / Fincham Crescent	Line of sight improvements	\$40,000
	Macarthur Avenue / David Street / Wattle Street	Signals and signage improvements and upgrade of existing streetlight columns to frangible type	\$187,296
	Eggleston Crescent / Melrose Drive	Partial closure of median. No right turn out of Eggleston Cr	Cancelled
	MELROSE DR / CORINNA ST	speed limit 70km/h to 60 km/h Hindmarsh Dr - Yarra Glen minor intersection improvements	\$238,457
	YAMBA DR / JULIA FLYNN AV (North)	Channelization in the median and new kerbing	\$102,782
	CARRUTHERS EAST - YARRA GLENN NORTH RAMP / CARRUTHERS / YARRA GLENN NORTH - CARRUTHERS WEST RAMP	Traffic signal improvements and barrier improvements	\$189,388
	BELCONNEN WAY / COULTER DR	Install signal mast arms and correct minor deficiencies	\$412,406
	JERRABOMBERRA AV / CAPTAIN COOK CR / STURT AV	Signalise	\$521,250
	DRAKEFORD DR / NOOROOMA ST	Correct minor deficiencies	\$20,586
	DRAKEFORD DR / BARR-SMITH AV	Correct minor deficiencies	\$26,106
	JERRABOMBERRA AV / CAPTAIN COOK CR / STURT AV*	Signals	\$521,250
	JOHN CLELAND / COULTER DR	Install STOP signs	\$22,500 (\$22,548)
	MIDBLOCK - TUGGERANONG PKWY (LADY DENMAN DR-COTTER RAMP EAST)	Animal Fencing and correction of minor deficiencies	\$261,999
	THARWA DR / DUGGAN ST	Separation of left turn deceleration lane and minor median modifications	\$286,419
	GUNGAHLIN DR / WELL STATION DR	Install signal mast arms and correct minor deficiencies	Cancelled
	PIALLIGO AVE / OAKS ESTETE RD	Signalisation	\$836,000 (\$835,545)

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
	Tuggeranong Pkwy (Hind marsh Dr-Sulwood Dr)	Animal Fencing, road side lighting, advance warning signals sign at Sulwood Dr and correction of minor deficiencies	\$1,150,000
	Tuggeranong Pkwy (Hindmarsh Dr-Cotter Rd)	Animal Fencing, Linemarking improvements, Barrier upgrade and correction of minor deficiencies	\$748,000 (\$747.891)
	GINNINDERRA DR / COULTER DR	Hogh angle approach and cycle path improvements	\$197,000
	Kingsford Smith Drive / Southern Cross Drive	Improvements to northbound, westbound and eastbound left turn slip lane (High Angle Approach)	
	Belconnen Way / Benjamin Way	Signalise the Benjamin Way southbound left turn lane , provide additional short lane, improve on road cycling facilities	
	Sternberg Crs / Langdon Ave	Signalisation, improvements to all median approaches and Comrie St intersection	
	Sternberg Crs / Ashley Dr	New roundabout and improvements to all median approaches including pedestrian and on road cycling facilities	

Black Spot Ranking 2018

5 year crash data (01.01.2013 – 31.12.2017)

Intersection crashes

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Barton Hwy/ Gundaroo Dr/ William Slim Dr	0	2	16	18	6	10	422	2015/16 CW Program
Ginninderra Dr/ Tillyard Dr	0	4	11	15	5	11	48	2010/11 BS Program
Efkarpidis St/ Hinder St	0	1	14	15	4	9	68	2015/2016 MNW Program
Anzac Pde/ Parkes Way	0	1	12	13	4	6	381	NCA
Lanyon Dr/ Monaro Hwy	0	1	12	13	4	6	78	2012 CW Program
London Cir/ Northbourne Av	0	1	11	12	5	6	113	Safety Camera
Antill St/ Mouat St / Northbourne Av	1	1	9	11	4	6	144	2009/10 BS Program
Macarthur Av/ Northbourne Av/ Wakefield Av	0	2	9	11	3	5	121	2012/13 BS Program
Barry Dr/ Cooyong St/ Northbourne Av	0	2	8	10	1	5	184	Safety Camera
Hindmarsh Dr/ Tuggeranong Pkwy Ramps (east)	0	1	9	10	3	5	220	2016/17 CW Program
Kuringa Dr/ Owen Dixon Dr	0	1	9	10	7	9	35	Future CW
Kingsford Smith Dr/ Southern Cross Dr	0	2	7	9	2	4	118	2011/12 BS Program
Belconnen Way/ Haydon Dr	0	1	8	9	5	5	58	
Oaks Estate Rd/ Pialligo Av	0	1	8	9	0	4	43	2015/16 BS Program
Barton Hwy Link/ Ellenborough St	0	1	8	9	4	7	42	Investigated BS 2017
Ernest Cavanagh St/ Gozzard St	0	0	9	9	4	4	41	
Barton Hwy/ Gungahlin Dr Ramps (south)	0	0	9	9	4	7	25	
Athllon Dr/ Drakeford Dr	0	5	3	8	2	3	154	
Athllon Dr/ Drakeford Dr/ Isabella Dr	0	3	5	8	3	4	228	2012/13 BS Program
Canberra Ave/ Sturt Ave/ Wentworth Ave	0	2	6	8	3	4	254	NCA
Dumas St/ William Slim Dr	0	2	6	8	2	3	21	
Ashley Dr/ Erindale Dr	0	0	8	8	4	6	135	Ashley Dr CW Program
Hibberson St/ Hinder St	0	0	8	8	3	3	47	2013/14 MNW Program
Boddington Cr/ Drakeford Dr/ Marconi Cr	1	0	6	7	0	2	94	Reseal in 2016/17

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Drakeford Dr/ Johnson Dr/ Woodcock Dr	0	4	3	7	4	5	97	2011/12 2017/18 BS Program
Hindmarsh Dr/ Tuggeranong Pkwy Ramps (west)	0	2	5	7	2	2	70	
Ginninderra Dr/ William Slim Dr	0	2	5	7	3	3	54	
Benham St/ Isabella Dr	0	2	5	7	3	5	21	
Melrose Dr / Yamba Dr/ Yarra Glen	0	1	6	7	2	5	153	2009/10 BS Program
Eggleston Cr/ Hindmarsh Dr	0	1	6	7	2	2	40	New Signals 2017
Athllon Dr/ Learmonth Dr	0	1	6	7	2	3	19	
Hindmarsh Dr/ Yamba Dr	0	0	7	7	2	4	175	2009/10 BS Program
Hindmarsh Dr/ Melrose Dr	0	0	7	7	3	4	160	2011/12 CW Program
Anzac Pde/ Constitution Av	0	0	7	7	5	5	33	2012 NCA Works
Canberra Av/ Dalby St	0	0	7	7	4	6	24	
Heard St/ Mawson Dr	0	0	7	7	2	5	22	
Belconnen Way/ Gungahlin Dr	1	0	5	6	1	1	99	New Signals 2009
Euree St/ Limestone Av/ Treloar Cr	0	4	2	6	1	2	25	
Belconnen Way/ Catchpole St/ Lathlain St	0	2	4	6	4	6	54	
Coranderrk St/ Parkes Way	0	1	5	6	2	3	394	NCA
Baldwin Dr/ Ginninderra Dr/ Haydon Dr	0	1	5	6	1	3	176	
Majura Pkwy Ramp northbound/ Morshead Dr	0	1	5	6	1	3	61	CW Program - Majura Parkway
Morphett St/ Northbourne Av	0	1	5	6	2	3	50	2008/09 BS Program
Hoskins St/ Sandford St	0	1	5	6	4	5	32	
Furneaux St/Manuka Cir	0	1	5	6	1	3	29	2017/18 BS Program
Lawrence Wackett Cr/ Tharwa Dr (west)	0	1	5	6	3	5	24	
Brisbane Av/ Macquarie St	0	1	5	6	3	3	22	
Brierly St/ Hindmarsh Dr	0	1	5	6	4	4	18	
Drakeford Dr/ Sulwood Dr/ Tuggeranong Pkwy	0	0	6	6	3	4	128	
Anthony Rolfe Av/ Mawby St	0	0	6	6	1	5	40	2012/13 MNW Program
Anthony Rolfe Av/ Rosanna St/ Wizard St	0	0	6	6	0	1	28	2013/14 MNW Program
Southern Cross Dr/ Starke St (west)	0	0	6	6	1	3	27	Future CW Program
Barry Dr/ Clunies Ross St	0	0	6	6	1	1	27	
Coppins Crossing Rd/ William Hovell Dr	0	0	6	6	4	6	23	2010/11 BS Program
Laurens St/ Taverner St	0	0	6	6	3	4	19	
Northbourne Av/ Swinden St	0	3	2	5	1	3	21	
Hindmarsh Dr/ Jerrabomberra Av	0	2	3	5	2	3	56	

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Coulter Dr/ John Cleland Cr	0	2	3	5	3	3	21	2014/15 BS Program
Belconnen Way/ Benjamin Way	0	1	4	5	3	4	138	2016/17 BS Program
Belconnen Way/ Bindubi St/ Eastern Valley Way	0	1	4	5	1	2	120	2009/10 Program
Barton Hwy/ Federal Hwy/ Northbourne Av	0	1	4	5	1	4	91	
Coyne St/ Hambidge Cr/ Isabella Dr	0	1	4	5	2	2	38	
Hindmarsh Dr/ Launceston St	0	1	4	5	0	1	36	New Signals 2017
Drakeford Dr/ O'Halloran Cct/ Summerland Cct (north)	0	1	4	5	2	3	34	
Drakeford Dr/ Noorooma St	0	1	4	5	2	2	27	2013/14 BS Program
Canberra Av/Empire Cct	0	1	4	5	2	3	26	
Cossington Smith Cr/ Ellenborough St (south)	0	1	4	5	3	4	25	
Castieau St/ Kingsford Smith Dr	0	1	4	5	1	1	16	
Canberra Av/ Hindmarsh Dr/ Newcastle St	0	0	5	5	1	4	145	2012/13 Program
Coulter Dr/ Luxton St/ Southern Cross Dr	0	0	5	5	2	3	142	
Ashley Dr/ Isabella Dr	0	0	5	5	1	2	141	Ashley Dr CW Program
Cooyong St/ Genge St/ Lonsdale St	0	0	5	5	2	3	39	
Long Gully Rd/ Mugga Ln	0	0	5	5	2	3	38	Future CW Program
Lhotsky St/ Tillyard Dr	0	0	5	5	2	3	37	
Cotter Rd/ Tuggeranong Pkwy Ramps (east)	0	0	5	5	2	4	37	
Hindmarsh Dr/ Streeton Dr	0	0	5	5	3	3	35	
Barry Dr/ Marcus Clarke St	0	0	5	5	1	2	29	
Girrahween St/ Grimes St/ Limestone Av	0	0	5	5	2	3	19	Signs
Barry Dr/ Moore St	0	0	5	5	4	4	14	
Allambee St/ Doonkuna St	0	0	5	5	3	3	10	
Gould St/ Moore St	0	0	5	5	0	2	8	
Ainslie Av/ Doonkuna St	1	0	3	4	0	2	17	2017/18 BS Program
Hindmarsh Dr/ Namatjira Dr	0	3	1	4	0	3	64	
Archdall St/ Ginninderra Dr	0	3	1	4	2	2	15	
Constitution Av/ Coranderrk St	0	2	2	4	0	4	41	
Ashley Dr/ Clift Cr	0	2	2	4	0	0	38	Ashley Dr CW Program
Barrallier St/ Stuart St	0	2	2	4	4	4	17	
Kingsford Smith Dr/ Wirraway St	0	2	2	4	1	1	7	
Drakeford Dr/ Erindale Dr/ Soward Way	0	1	3	4	0	2	92	2008/09 BS Program
Belconnen Way/ Coulter Dr	0	1	3	4	1	2	86	2013/14 BS Program
Morshead Dr/ Staff Cadet Av	0	1	3	4	1	2	57	

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Anzac Pde/ Fairbairn Av/ Limestone Av	0	1	3	4	1	4	50	
Owen Dixon Dr/ William Slim Dr	0	1	3	4	4	4	49	
Barry Dr/ Mccaughey St/ North Rd	0	1	3	4	2	2	48	2012/13 CW Program
Drakeford Dr/ O'Halloran Cct/ Summerland Cct (south)	0	1	3	4	1	2	46	2011/12 BS Program
Flinders Way/ Manuka Cir	0	1	3	4	1	3	42	
Coulter Dr/ Ginninderra Dr	0	1	3	4	0	3	38	
Condamine St/ Ipima St/ Northbourne Av	0	1	3	4	2	4	36	
Benjamin Way/ Cameron Av/ Chan St	0	1	3	4	2	3	28	
Manuka Cir/ New South Wales Cr/ Telopea Pk	0	1	3	4	1	2	34	2014 MNW Program
Monaro Hwy/ Isabella Dr	0	1	3	4	2	3	30	
Erindale Dr/ Sulwood Dr	0	1	3	4	1	1	22	
Batman St/ Limestone Av/ Quick St	0	1	3	4	2	2	21	
Mentone View/ Tharwa Dr	0	1	3	4	3	4	20	
Giles St/ Wentworth Av	0	1	3	4	3	3	20	
Braybrooke St/ Ginninderra Dr	0	1	3	4	1	2	17	
Gozzard St/ Gundaroo Dr/ James Kirk St	0	1	3	4	2	3	15	
Captain Cook Cr/ Franklin St	0	1	3	4	3	3	14	
Findlay St/ Kingsford Smith Dr	0	1	3	4	3	4	13	
Atkins St/ Livingston Av	0	1	3	4	1	1	11	
Donaldson St/ Doonkuna St/ Elouera St	0	1	3	4	0	0	11	
Dryandra St Link/ Barry Dr	0	1	3	4	1	1	8	
Julia Flynn Av/ Yamba Dr (south)	0	1	3	4	0	1	5	
Dalrymple St/ Hindmarsh Dr/ Mugga Ln	0	0	4	4	2	3	48	
Athllon Dr/Don Dunstan Dr/ Scollay St	0	0	4	4	1	3	43	2017/18 BS Program
Brindabella Cct/ Pialligo Av	0	0	4	4	1	2	39	
Monaro Hwy/ Mugga Ln	0	0	4	4	0	0	38	
Eastlake Pde/ Telopea Pk / Wentworth Av	0	0	4	4	1	2	32	
Battye St/ Haydon Dr	0	0	4	4	1	2	31	
Carruthers St/ Yarra Glen Ramps (west)	0	0	4	4	0	2	31	
Ginninderra Dr/ Gungahlin Dr Ramps (east)	0	0	4	4	2	3	29	
Bunda St/ Northbourne Av/ Rudd St	0	0	4	4	1	1	28	Capital Metro

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Ashley Dr/ Ellerston Av	0	0	4	4	1	2	24	Ashley Dr CW Program
Athllon Dr/ Beasley St (south)	0	0	4	4	0	3	22	
Canberra Av/ Dawes St/ Lockyer St	0	0	4	4	2	2	22	
Arthur Cir/ Monaro Cr/ Tasmania Cir	0	0	4	4	2	2	20	
Athllon Dr/ Fincham St	0	0	4	4	2	2	19	
Brewer St/ Melrose Dr	0	0	4	4	2	2	19	
Antill St/ Federal Hwy	0	0	4	4	4	4	15	2008/09 CW Program
Carnegie St/ La Perouse St	0	0	4	4	3	3	15	
Cowper St/ Dickson Pl	0	0	4	4	2	3	15	
Currie Cr/Manuka Cir/ New South Wales Cr/ Telopea Pk	0	0	4	4	2	4	14	2016/17 RSM Program
Ashley Dr/ Barraclough Cr	0	0	4	4	2	4	14	Ashley Dr CW Program
Phillip Av/ Windeyer St	0	0	4	4	2	3	14	
Dudley St/ Novar St	0	0	4	4	2	2	14	
Farrell Pl/ Marcus Clarke St	0	0	4	4	2	2	13	
Dominion Cct/ Hobart Av/ Tasmania Cir	0	0	4	4	2	2	13	
Austin St/ Barrallier St/ Captain Cook Cr	0	0	4	4	1	1	12	
Hodgson Cr/ Melrose Dr	0	0	4	4	0	1	12	
Hindmarsh Dr/ Tyagarah St	0	0	4	4	2	3	8	Investigated BS 2013 & 2017
Kings Hwy / HQJOC Access Rd	0	0	4	4	2	2	7	
Hovea St/ Macarthur Av	0	0	4	4	0	1	7	
Namatjira Dr/ Streeton Dr	1	1	1	3	0	1	17	
Barritt St/Boddington Cr	0	3	0	3	1	1	9	
Cotter Rd/ Lady Denman Dr	0	2	1	3	0	3	47	
Clift Cr/ Johnson Dr	0	2	1	3	0	3	17	
Bandjalong Cr /Bindubi St/ Lyttleton Cr	0	2	1	3	1	1	10	
Charleston St/ Erindale Dr	0	2	1	3	2	3	4	
Erindale Dr/ Sternberg Cr	0	1	2	3	2	2	101	
Gungahlin Dr/ Sandford St	0	1	2	3	1	1	65	Signals BS 2012
Coulter Dr/ Nettlefold St/ Ogilby St	0	1	2	3	1	2	47	
Hindmarsh Dr/ Monaro Hwy Ramps (east)	0	1	2	3	2	2	38	
Drakeford Dr/Tharwa Dr	0	1	2	3	0	1	38	
Belconnen Way/ Springvale Dr	0	1	2	3	1	1	37	2010/11 BS Program
Haydon Dr/ Mary Potter Cir (south)	0	1	2	3	2	2	30	Signals
Adelaide Av/ Hopetoun Cct Ramps (south)	0	1	2	3	2	2	26	
Canberra Av/ Manuka Cir	0	1	2	3	0	0	25	

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Box Hill Av/ Tharwa Dr	0	1	2	3	2	2	23	
Reed St/ Scollay St (south)	0	1	2	3	1	2	23	
Barry Dr/ Boldrewood St	0	1	2	3	0	1	22	
Leichhardt St/ Mildura St/ Wentworth Av	0	1	2	3	2	2	21	
Drake Brockman Dr/ Kingsford Smith Dr/ William Hovell Dr	0	1	2	3	3	3	20	
Ginninderra Dr/ William Webb Dr	0	1	2	3	1	2	20	
Eyre St/ Wentworth Av	0	1	2	3	1	1	20	
Hoskins St/ Well Station Dr	0	1	2	3	3	3	19	
Baldwin Dr/ Chuculba Cr	0	1	2	3	1	3	17	
Molonglo Mall/ Newcastle St/ Wollongong St	0	1	2	3	2	2	15	
Dixon Dr/ Hindmarsh Dr	0	1	2	3	1	2	11	
Pialligo Av/ Sutton Rd	0	1	2	3	2	3	11	2005/06 BS Program
Ross Smith Cr/ Southern Cross Dr	0	1	2	3	0	1	10	
Inkster St/ Sulwood Dr	0	1	2	3	2	2	7	
Flynn Dr/ State Cir	0	1	2	3	1	1	5	
Castleton Cr/ Weathers St	0	1	2	3	2	2	4	
Mannheim St/ Sulwood Dr	0	1	2	3	2	3	4	
Hindmarsh Dr/ Monaro Hwy Ramps (west)	0	0	3	3	1	3	83	
Aikman Dr/ Ginninderra Dr	0	0	3	3	0	1	83	
Morshead Dr/ Pialligo Av	0	0	3	3	0	1	76	CW Program – Majura Pkwy
Gungahlin Dr/ Kosciuszko Av/ The Valley Av	0	0	3	3	0	2	54	
Beltana Rd/ Fairbairn Av/ Pialligo Av	0	0	3	3	1	1	49	CW - Majura Parkway
Cooyong St/ Mort St	0	0	3	3	0	0	49	2008/09 BS Program
Athllon Dr/ Langdon Av/ Atkins St	0	0	3	3	0	0	45	
Elouera St/ Gould St/ Northbourne Av	0	0	3	3	2	2	44	
Cotter Rd/ Streeton Dr	0	0	3	3	2	2	42	
Cohen St/ Westfield Bus Stn Ac	0	0	3	3	1	2	40	
Federal Hwy/ Phillip Av	0	0	3	3	0	1	36	
Antill St/ Badham St	0	0	3	3	1	1	35	
Gungahlin Dr/ Kelleway Av/ Wanganeen Av	0	0	3	3	0	2	32	
Gungahlin Dr/ Kosciuszko Av	0	0	3	3	1	1	32	
Canberra Av/ Monaro Hwy Ramp northbound	0	0	3	3	2	2	29	2012 CW Program
Edinburgh Av/ Marcus Clarke St	0	0	3	3	1	3	27	

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Iron Knob St/ Newcastle St	0	0	3	3	2	2	26	
Moore St/ Rudd St	0	0	3	3	2	3	25	
National Cct/ Sydney Av	0	0	3	3	2	2	25	
Aikman Dr/ Cameron Av/ Eastern Valley Way	0	0	3	3	1	2	23	
Masson St/ Mccaughey St	0	0	3	3	0	1	19	
Benjamin Way/ Emu Bank	0	0	3	3	1	1	18	
Fairfax St/ Dryandra St	0	0	3	3	1	1	18	
Chisholm St/ Donaldson St/ Limestone Av	0	0	3	3	0	1	18	
Namatjira Dr/ Parkinson St	0	0	3	3	1	1	17	
Barr Smith Av/ Drakeford Dr	0	0	3	3	2	2	16	
Belconnen Way/ Chewings St	0	0	3	3	2	2	16	
Melrose Dr/ Theodore St	0	0	3	3	1	3	16	2012/13 LCT Program
Mcmillan Cr/ Sturt Av	0	0	3	3	1	2	15	
Goyder St/ Jerrabomberra Av	0	0	3	3	1	1	15	
Haydon Dr/ University Dr	0	0	3	3	1	1	15	
Chan St/ Lathlain St/ Weedon Cl	0	0	3	3	2	2	14	
Coulter Dr/ Lachlan St	0	0	3	3	0	1	14	
Eggleston Cr/Melrose Dr	0	0	3	3	0	0	14	New Signals 2014
Horse Park Dr/ Mulligans Flat Rd	0	0	3	3	1	2	13	
Kingsford Smith Dr/ Spalding St	0	0	3	3	0	2	13	2012/13 BS Program
Flemington Rd/ Hibberson St/ Kate Crace St	0	0	3	3	0	0	13	
Furzer St/ Launceston St	0	0	3	3	1	1	11	
Battye St/ Watkin St	0	0	3	3	1	2	10	
Kintore Cr/ Novar St	0	0	3	3	1	2	9	
Bunbury St/ Namatjira Dr	0	0	3	3	2	2	8	
Marcus Clarke St/ Rudd St	0	0	3	3	1	2	7	
Goldstein Cr/ Hambidge Cr	0	0	3	3	0	1	7	
Alinga St/ East Row/ Mort St	0	0	3	3	1	1	6	
Basedow St/Beasley St	0	0	3	3	1	2	6	

Total of 219 intersections

Midblock Crashes

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Tuggeranong Parkway (Lady Denman Dr to Tuggeranong Pkwy southbound Ramp – Tuggeranong Pkwy to Cotter Rd southbound Ramp)	0	1	14	15	6	8	137	2015/16 BS Program
Tuggeranong Parkway (Hindmarsh Dr to Tuggeranong Pkwy southbound Ramp – Drakeford Dr/ Sulwood Dr)	0	5	7	12	2	5	106	2016/17 BS Program
Brindabella Road (Cotter Rd - Jim Bradley Cr)	0	4	8	12	5	9	20	2008/09 BS Program
Monaro Highway (Hindmarsh Dr to Monaro Hwy southbound Ramp – David Warren Rd)	0	3	8	11	4	7	85	
William Hovell Drive (Drake Brockman Dr/ Kingsford Smith Dr - Coppins Crossing Rd)	0	2	9	11	2	4	77	2008/09 BS Program
Tuggeranong Parkway (Cotter Rd to Tuggeranong Pkwy northbound Ramp - Tuggeranong Pkwy to Cotter Rd northbound Ramp)	0	0	11	11	3	4	91	Proposed For Investigation
Barton Highway (Bellenden Rd - Gundaroo Dr/ William Slim Dr)	0	2	8	10	4	6	55	2018/19 BS Program
Cotter Road (Picnic Ln - Mt Stromlo Rd)	1	4	4	9	3	6	30	2008/09 BS Program
Monaro Highway (Johnson Dr - Old Cooma Rd)	0	2	7	9	2	7	38	
Paddys River Road (Laurel Camp Rd – Discovery Dr)	1	3	3	7	3	5	19	2009/10 BS Program
Monaro Highway (Isabella Dr - Old Tuggeranong Rd)	1	1	5	7	2	4	42	
Pialligo Avenue (Scherger Dr - Air Disaster Rd)	0	3	4	7	3	5	38	2018/19 BS Program
Belconnen Way (Bindubi St/ Eastern Valley Way – Haydon Dr)	0	1	6	7	4	6	79	
Northbourne Avenue (Condamine St/Ipima St – Macarthur Ave/Wakefield Ave)	0	1	6	7	2	2	72	Capital Metro
Monaro Highway (David Warren Rd – Lanyon Dr)	0	1	6	7	4	5	66	
Gungahlin Drive (Barton Hwy to Gungahlin Dr eastbound Ramp – Sandford St)	0	1	6	7	1	3	52	
Hindmarsh Drive (Tamar St – Tyagarah St)	0	1	6	7	5	5	47	
Monaro Highway (Lanyon Dr –Sheppard St)	0	1	6	7	3	4	43	

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Isabella Drive (Benham St – Goldstein Cr/ Kellett St)	1	2	3	6	4	4	20	
Parkes Way (Clunies Ross St to Parkes Way eastbound Ramp – Edinburgh Av/ Lawson Cr Ramps west)	0	3	3	6	3	3	94	2007/08 BS Program
Belconnen Way (Benjamin Way – Bindubi St/ Eastern Valley Way)	0	2	4	6	3	4	57	
Horse Park Dr (Mapleton Av/ Dugong Way - Anthony Rolfe Av/Gecko Way)	0	2	4	6	3	4	25	
Parkes Way (Glenloch Interchange – Parkes Way to Lady Denman Dr westbound Ramp)	0	1	5	6	2	2	79	2011/12 CW Program
Northbourne Avenue (Alinga St – Bunda St/Rudd St)	0	1	5	6	2	4	66	Capital Metro
Athllon Drive (Sulwood Dr - Beasley St)	0	1	5	6	2	3	35	2008/09 BS Program
Barry Drive (Belconnen Way – Frith Rd northbound Ramp)	0	1	5	6	4	5	22	
Gundaroo Drive (Gungahlin Dr - Ginn St/ Nari St)	0	0	6	6	2	2	174	
Tuggeranong Parkway (Cotter Rd to Tuggeranong Pkwy southbound Ramp - Tuggeranong Pkwy to Hindmarsh Dr southbound Ramp)	0	0	6	6	2	2	154	2016/17 BS Program
Challis Street (Morphett St - Cape St/ Dickson Bus Stn Acc)	0	0	6	6	5	5	23	
Monaro Highway (Royalla Rd – Williamsdale Rd)	4	0	1	5	2	3	16	
Majura Road (Avonley Rd - Mount Majura Access Rd)	1	2	2	5	0	1	34	
Erindale Drive (Long Gully Rd/ Yamba Dr -Sulwood Dr)	1	1	3	5	0	1	29	
Tidbinbilla Road (Point Hut Rd – Corin Rd)	1	0	4	5	3	5	15	
Horse Park Dr (Horse Park to Federal Hwy northbound Ramp - Well Station Dr)	0	3	2	5	2	3	41	
Barry Drive (Clunies Ross St – Boldrewood St)	0	3	2	5	2	4	25	
Black Mountain Drive (Clunies Ross St - Black Mountain Dr)	0	3	2	5	3	4	9	
Monaro Highway (Mugga Ln – Isabella Dr)	0	2	3	5	1	2	62	
Belconnen Way (Gungahlin Dr - Barry Dr)	0	2	3	5	2	3	42	
Tuggeranong Parkway (Lady Denman Dr to Tuggeranong Pkwy northbound Ramp - Tuggeranong Pkwy to Lady Denman Dr southbound Ramp)	0	2	3	5	1	2	37	
Newcastle Street	0	2	3	5	3	4	26	

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
(Molonglo Mall/ Wollongong St – Collie St)								
Commonwealth Avenue (Flynn Dr to Commonwealth Ave northbound Ramp – Albert St)	0	0	5	5	1	2	117	
Federal Highway (Barton Hwy/ Northbourne Av - Phillip Av)	0	0	5	5	2	3	70	
William Hovell Drive (Coulter Dr – Bindubi St)	0	0	5	5	2	3	66	
Federal Highway (Phillip Av – Flemington Rd)	0	0	5	5	1	2	56	
Emu Bank (Benjamin Way – Soundy Cl/ Veryard Cl)	0	0	5	5	3	4	43	
Northbourne Avenue (Elouera St/Gould St – Girraheen St /Masson St)	0	0	5	5	1	2	34	
Bindubi Street (William Hovell Dr – Bandjalong Cr/ Lyttleton Cr)	1	0	3	4	2	3	30	
Lady Denman Drive (Garryowen Dr – Lady Denman Dr)	1	1	2	4	3	3	9	
Canberra Avenue (Mildura St - Monaro Hwy to Canberra Av northbound Ramp)	0	3	1	4	0	2	35	
Caswell Drive (Glenloch Interchange – Belconnen Way to Caswell Dr southbound Ramp)	0	2	2	4	2	2	49	
Flemington Road (Epic Access Rd – Randwick Rd)	0	2	2	4	2	3	43	
Kuringa Drive (Barton Hwy/Clarrie Hermes Dr - Owen Dixon Dr)	0	2	2	4	0	0	13	
Southern Cross Drive (Chave St – Starke St)	0	2	2	4	2	2	12	
Baldwin Drive (Gum St - Chuculba St)	0	2	2	4	1	3	8	
Hindmarsh Dr (Launceston St - Hindmarsh Dr/ Tuggeranong Pkwy Ramps east)	0	1	3	4	1	2	104	
Northbourne Avenue (Macarthur Ave/Wakefield Ave – Morphett St)	0	1	3	4	2	3	74	
Morshead Drive (Staff Cadet Av –Menindee Dr/ Russell Dr)	0	1	3	4	2	3	28	
William Hovell Drive (Bindubi St - Glenloch Interchange)	0	1	3	4	0	0	28	
Cotter Road (Cotter Rd/ Tuggeranong Pkwy Ramps east - Yarralumla Woolshed Rd)	0	1	3	4	2	2	27	
Majura Parkway	0	1	3	4	4	4	21	

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
(Fairbairn Av to Majura Pkwy northbound Ramp - Majura Pkwy/Tambreet St Ramps south)								
Adelaide Avenue (State Cir to Adelaide Av westbound Ramp - National Cir)	0	1	3	4	1	1	10	
Commonwealth Avenue (Albert St – Corkhill St)	0	0	4	4	4	4	32	
Kuringa Drive (Kingsford Smith Dr – Tillyard Dr)	0	0	4	4	1	3	27	2007/08 BS Program
Majura Avenue (Hawdon St –Davenport St)	0	0	4	4	2	3	8	
Cotter Road (Brindabella Rd – Picnic Ln)	1	1	1	3	2	2	9	
Cotter Road (Yarralumla Woolshed Rd - Mcculloch St)	0	2	1	3	2	2	15	
Alexandrina Drive (Mariner Pl – Hopetoun Cct)	0	2	1	3	1	1	4	
Gladstone Street (Wollongong St – Albany St)	0	1	2	3	0	2	39	
Tuggeranong Parkway (Tuggeranong Pkwy to William Hovell Dr northbound Ramp –Tuggeranong Pkwy to Lady Denman Dr southbound Ramp)	0	1	2	3	2	2	35	
Northbourne Avenue (Greenway St –Condamine St/ Ipima St)	0	1	2	3	0	1	26	
Flemington Road (Federal Hwy - Epic Access Rd)	0	1	2	3	1	1	25	
Clarrie Hermes Dr (Barton Dr/Kuringa Dr –Kelleway Av)	0	1	2	3	0	2	12	
Morshead Drive (Plant Rd - Staff Cadet Av)	0	1	2	3	1	1	11	
Tuggeranong Parkway (Tuggeranong Pkwy to Hindmarsh Dr northbound Ramp – Hindmarsh Dr to Tuggeranong Pkwy southbound Ramp)	0	1	2	3	1	2	7	
Brindabella Road (Blue Range Rd – Brindabella Rd)	0	1	2	3	3	3	5	
Kings Avenue (Wendouree Dr – Kings Av to Bowen Dr off Ramp)	0	0	3	3	1	1	58	
Northbourne Avenue (Murdoch St – Antill St/ Mouat St)	0	0	3	3	0	1	51	
Gungahlin Drive (Gungahlin Dr to Ginninderra Dr southbound Ramp - Barton Hwy to Gungahlin Dr southbound Ramp)	0	0	3	3	0	0	42	
Hindmarsh Drive (Eggleston Cres – Launceston St)	0	0	3	3	1	2	36	
Yamba Drive (Hindmarsh Dr – Colbeck St)	0	0	3	3	1	1	25	

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Coulter Drive (Redfern St/Springvale Dr -William Hovell Dr)	0	0	3	3	3	3	22	
Yamba Drive (Numeralla St – Mawson Dr)	0	0	3	3	2	2	22	
Gungahlin Drive (Caswell Dr End /Gungahlin Start – Belconnen Way to Gungahlin Dr northbound Ramp)	0	0	3	3	1	1	22	
Northbourne Avenue (Mckay St – Elouera St/ Gould St)	0	0	3	3	1	1	22	
Hindmarsh Drive (Canberra Av/ Newcastle St – Hindmarsh Dr/Monaro Hwy Ramps east)	0	0	3	3	1	2	21	
Yamba Drive (Julia Flynn Av - Erindale Dr/Long Gully Rd)	0	0	3	3	0	1	21	
Drakeford Drive (Barr Smith Av – Athllon Dr/Isabella Dr)	0	0	3	3	3	3	20	
Hindmarsh Drive (Dalrymple St/ Mugga Ln – Tamar St)	0	0	3	3	1	1	20	
Coppins Crossing Road (William Hovell Dr – Uriarra Rd)	0	0	3	3	1	3	16	
Tuggeranong Parkway (Tuggeranong Pkwy to Hindmarsh Dr southbound Ramp – Hindmarsh Dr to Tuggeranong Pkwy northbound Ramp)	0	0	3	3	1	2	16	
London Circuit (Edinburgh Av – Commonwealth Av to London Cir off Ramp)	0	0	3	3	1	1	13	
Capital Circle (Capital Cir north to State Cir south Ramp – State Cir west to Capital Cir north Ramp)	0	0	3	3	0	1	10	
Isabella Drive (Cockcroft Av - Clive Steele Av/ Drumston St)	0	0	3	3	0	0	10	
Castleton Crescent (Wheatley St – Coningham St)	0	0	3	3	0	1	8	
Caswell Drive (Belconnen Way to Caswell Dr southbound Ramp - Gungahlin Dr Start/Caswell Dr End)	0	0	3	3	2	2	8	
Condamine Street (Bent St – McCaughey St)	0	0	3	3	2	2	7	
Victoria Street (Gladstone St – Barton Hwy)	0	0	3	3	2	2	5	
Boboyan Road (Naas Rd/Top Naas Rd – Orroral Rd)	0	0	3	3	1	2	4	

Total of 98 mid-blocks

ACT CONSULTATIVE PANEL

Meeting No 33

8 June 2018
10:00 – 11:00 am
Level 2, 496 Northbourne Av, Dickson ACT

Attendees

Zed Seselja, Senator for ACT – Chair
[REDACTED] (Department of Infrastructure and Regional Development)
[REDACTED] (Pedal Power, PP)
[REDACTED] (ACT Road Safety Advisory Board)
Belinda Owen (Road Safety Policy, JACS)
[REDACTED] (Australasian College of Road Safety, ACRS)
[REDACTED] NRMA
Pawel Potapowicz (Roads ACT)
Jayanthi Vikneson (Roads ACT)
Marguerite Aziz (Roads ACT)

Absent with apologies

[REDACTED] (Motorcycle Riders Association ACT, MRA)
[REDACTED] (NCA)

Observer

[REDACTED] (Office of Senator the Hon. Zed Seselja)

1. Introduction and confirmation of draft Agenda

Mr Seselja welcomed members to the meeting, and confirmed the agenda items. Road ACT provided apologies from absent members.

2. Matters arising from previous minutes

The minutes from the meeting in April 2017 were accepted. There were no outstanding matters from these minutes.

3. Progress update on 2017/18

Roads ACT advised that only the Ainslie Street/Doonkuna Street project has been completed. The remaining projects are delayed, primarily due to the high construction costs received at tender. However, all are expected to be completed by August 2018.

The Barton Highway/Ellenborough Street project has been removed from the program as the detailed design highlighted some visibility issues with the proposed interim treatments that could make them unsafe. The recommended roundabout treatment will be considered in future Capital Works programs.

4. Update on feasibility studies

Roads ACT presented the Feasibility Study outcomes of six investigated locations (refer to page 7 of the Briefing Notes for Meeting 33). The panel discussed the recommended treatments for the six projects.

5. Panel's consideration of projects for the 2018/19 program

Roads ACT advised that the total allocation of Black Spot funding for ACT in 2018/2019 is \$966,000. However, the ACT is currently overcommitted by about \$300,000, and only about \$666,000 is available for the 2018/19 program.

Roads ACT also advised that the current program is coming to an end, and suggested a reduced scope for the 2018/19 program to bring the total closer to the available funding. Future program funding is yet to be determined.

Roads ACT tabled the list of project nominations received by Mr Seselja's office (refer to pages 9 - 10 of the Briefing Notes for Meeting 33).

Roads ACT recommended that the Hobart Avenue/National Circuit intersection improvements and the Boboyan Road crash barrier recommendations, which were studied previously as part of road safety audits and have designs ready for implementation (costing \$260,000), be included in the 2018/19 program.

The panel unanimously endorsed the following package of works for the 2018/19 program:

Locations for 2017/18	Treatment Type	*Req. Funding
Hobart Avenue / National Circuit	Install Stop control at intersection and upgrade pedestrian facilities	180,000
Boboyan Road	Install crash barrier at the Southern side of Fitzs Hill decent.	80,000
Masson Street / McCaughey Street	Install traffic calming devices at the intersection and the associated signage	161,500
Barton Highway (William Slim/Gundaroo – Bellenden)	Reduce speed limit from 100 to 80, narrow the median lane and install guide posts	113,700
Pialligo Avenue (Scherger – Air Disaster Memorial)	Reduce speed limit from 100 to 80 and provide additional clearing in the clear zone	25,000
Southern Cross Drive (Kingsford Smith – Coulter)	Extend the nose of the side road median islands and gate "Give Way" signs. Ban U turn at intersections.	118,000
TOTAL		\$678,200

*Req. Funding includes procurement fees, feasibility studies costs and contingencies.

Action – Proposed program to be recommended to the Federal Minister for approval.

6. Evaluations

Roads ACT explained the ACT's current process of evaluating the effectiveness of completed Black Spot projects, and tabled the outcomes of the evaluation done on projects completed in 2013.

Roads ACT advised that future evaluations will compare 4 years of 'before' and 'after' crash data to better align with current BITRE evaluation practices (which consider up to 7 years of 'before' and 'after' crash data).

7. Other business

Roads ACT advised that the Black Spot program was under review, and a new funding structure and 'formula' for fund allocations was being considered. It is hoped that the ACT's funding will not be reduced under the new structure.

enquired about how the community is advised of speed reduction changes on the road network.

Roads ACT advised that this process included a media release prior to the change as well the deployment of variable message signs announcing the change a week prior to the change and reminding of the change up to a week after its implementation.

8. Next meeting

No date was set for the next meeting; however Roads ACT will organise one for the end of the year (2018) to provide an update on the program.

Action – Roads ACT to set a date for the next meeting following liaison with Mr Seselja’s office.

Mr Seselja thanked the Panel members for attending and closed the meeting.

Addendum

Subsequent to the meeting Roads ACT sought advice on some additional work for the Pialligo Avenue project – the incorporation of audio tactile line-marking for centreline for enhanced safety on this undivided road.

The cost of this additional treatment to the 2018/19 program is highlighted below:

Locations for 2017/18	Treatment Type	*Req. Funding
Hobart Avenue / National Circuit	Install Stop control at intersection and upgrade pedestrian facilities	180,000
Boboyan Road	Install crash barrier at the Southern side of Fitzs Hill decent.	80,000
Masson Street / McCaughey Street	Install traffic calming devices at the intersection and the associated signage	161,500
Barton Highway (William Slim/Gundaroo – Bellenden	Reduce speed limit from 100 to 80, narrow the median lane and install guide posts	113,700
Pialligo Avenue (Scherger – Air Disaster Memorial)	Reduce speed limit from 100 to 80, audio tactile line-marking for centreline and additional clearing in the clear zone.	91,000
Southern Cross Drive (Kingsford Smith – Coulter)	Extend the nose of the side road median islands and gate “Give Way” signs. Ban U turn at intersections.	118,000
TOTAL		\$744,200

Action – Proposed program to be recommended to the Federal Minister for approval.



ACT
Government

Transport Canberra
and City Services

ACT BLACK SPOT CONSULTATIVE PANEL

Meeting No 33

BRIEFING NOTES

June 2018

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Appendix A – List of ACT Black Spot Funded Improvements

1. INTRODUCTION

To date, 118 projects have been funded in the ACT under the Australian Government Black Spot Programme. A list of these projects is at Appendix A.

The Australian Government will provide \$300 million (\$60 million per annum) to extend the Black Spot Program for a further 5 years from 2014-15 to 2018-19.

Additional funding under the Asset Recycling Fund Projects – Infrastructure Growth Package – New Investments will be provided by the Federal Government in 2015/16 and 2016/17 totalling \$3.22 million (\$1.61 million per annum).

The program will continue to fund relatively low cost safety works such as roundabouts, crash barriers and street lighting in places where there have been serious crashes or where serious crashes are likely to occur.

The value of Black Spot funding for the ACT in 2018/19 is \$966,000.

Details of the general requirements for Black Spot projects are outlined in the Black Spot Program Notes on Administration.

<http://investment.infrastructure.gov.au/funding/blackspots/>

The Territory and Municipal Services Directorate's (TAMS) applies these requirements in the following way:

- 1) The objective is to treat sites with demonstrated serious crash rates
- 2) The sites need to be amenable to cost effective treatment with a Benefit to Cost cut off at 2.0
- 3) Projects also need to be able to be delivered in a specific time frame.

2. ACT CRASH DEFINITIONS

The following standard definitions are used to define crash severity in the ACT:

Fatal crash	a motor vehicle crash which involves at least one fatality within 30 days of the crash taking place
Injury crash	a motor vehicle crash where at least one person receives injuries that require medical attention either at the scene of the crash or in hospital
Property damage crash	a motor vehicle crash where no fatalities or injuries result but damage to property is sustained.

Typically in the ACT about 8,000 on-road motor vehicle crashes occur annually. The associated breakdown of crash severity is:

Fatal	0.1%
Injury	5.0%
Property	94.9%

3. ACT BLACK SPOT IDENTIFICATION PROCESS

The following approach is adopted for selecting Black Spot sites in the ACT:

- 1) For intersections: identify locations which meet the crash history criteria. The minimum eligibility criterion is a history of at least 3 casualty crashes over a 5 year period. Locations where no positive controls exist are given preference for selection if crash rates and rankings are similar.

For mid blocks: a similar process is followed for a section of road.

- 2) Identify cost effective solutions and rank on the basis of the benefit/cost ratio.

In addition to the above, up to 30% of Black Spot funds may be used for the treatment of sites that may not meet the crash history criteria, but which have been recommended as part of an official road safety audit report.

Treatments that can be delivered in the year that funding is available are given preference when other criteria are similar.

(See the Notes on Administration for Land Transport Infrastructure Projects for further details).

4. CURRENT STATUS OF 2017/18 PROJECTS

Table 1

Locations	Treatment Type	Funding	Expenditure	Update
Black Spot Projects 2017/18 \$966,000				
Monaro Highway (Angle Crossing Road – Old Cooma Road)	Install strategic barrier lines	105,000	53,055	Tender stage
Athllon Drive / Don Dunstan Drive / Scollay Street	Rumble strips, change angle of hold line for wester approach. Increased deflection on western side of Roundabout, and speed reduction and line marking changes on southern approach.	132,000	24,903	Tender stage
Drakeford Drive / Johnson Drive / Woodcock Drive	Rumble strips and signage improvements.	105,000	69,056	Tender stage
Furneaux Street / Manuka Circle	Install Stop Control, tighten approach angle and improve pedestrian facilities.	252,000	18,556	Tender stage
Ainslie Street/ Doonkuna Street	Install traffic calming to reinforce existing Stop Control.	84,000	83,984	Completed
Telopea Park / Currie Crescent	Improve sight distance and tighten the intersection, STOP control.	190,000	9,496	Tender stage
Barton Highway access road / Ellenborough Street	Speed cushions to improve compliance at STOP control.	0	0	Cancelled
TOTAL		\$868,000	\$259,050	

6. UPDATE ON FEASIBILITY STUDIES FOR 2018/19 PROGRAM

Roads ACT implemented a package of feasibility studies of high crash rate intersections and mid blocks.

The following locations were investigated further with the summary of the results shown in Table 2 below.

INTERSECTIONS OF:

- Masson Street / McCaughey Street
- Hindmarsh Drive / Tyagarah Street
- Melrose Drive / Hodgson Crescent

MIDBLOCK OF:

- Barton Highway (William Slim/Gundaroo – Bellenden)
- Pialligo Avenue (Scherger – Air Disaster Memorial)
- Southern Cross Drive (Kingsford Smith – Coulter)

Table 2

Location	Est. BCR	* RSA	Study Findings	Est. Cost (\$)	Roads ACT Position	** Funding \$
Masson Street / McCaughey Street	Option 1 – 7.92 Option 2 – 3.26 Option 3 – N/A		Option 1 – Reduce the speed of vehicles entering the roundabout. Option 2 – Signalise the intersection Option 3 – Modify the layout of the roundabout so it complies with current design guidelines	112,086	Option 1 Recommended for the 2018/19 program	161,500
Hindmarsh Drive / Tyagarah Street	Option 1 – 1.06 Option 2 – 1.37		Option 1 – Signalise the intersection Option 2 - Convert the intersection to Left-in/ Left out	498,000 744,000	Does not meet the required criteria	0
Melrose Drive / Hodgson Crescent	Option 1 – 1.16 Option 2 – N/A Option 3 – N/A		Option 1 – Reduce intersection crossing distance, install a high skid resistance surface and TCD improvements. Option 2 – Convert the intersection to a roundabout Option 3 – Signalise the intersection	195,000	Does not meet the required criteria	0
Barton Highway (William Slim/Gundaroo – Bellenden)	Option 1 – 12.27 Option 2 – 1.50 Option 3 – 0.67 Option 4 – 83.55		Option 1 – Narrow the median lane and install guide posts in both directions Option 2 – Install street lights Option 3 – Edge drop removal/ seal shoulder Option 4 - Speed reduction to 80 km/h.	73,200 720,000 1,290,000 3,500	Option 1 and 4 recommended for the 2018/19 program	113,700
Pialligo Avenue (Scherger – Air Disaster Memorial)	Option 1 – 1.71 Option 2 – 3.69 Option 3 – 4.43 Option 4 – N/A Option 5 – N/A		Option 1 – Install audio tactile centre line marking Option 2 – Provide additional clearing within the clear zone Option 3 – Speed reduction to 80 km/h Option 4 - Increase overtaking opportunities Option 5 - Duplication of road	41,250 7,500 3,500	Option 2 and 3 Recommended for the 2018/19 program	25,000
Southern Cross Drive (Kingsford Smith – Coulter)	Option 1 – 3.34 Option 2 – 1.56 Option 3 – 10.57 Option 4 – 7.48 Option 5 – 5.14		Option 1 – Extend the nose of the side road median islands and gate “Give Way” signs Option 2 – Provide an indented bus bay at the westbound bus stop between Kingsford Smith Drive and Ross Smith Crescent Option 3 - Ban U-turn at the intersections Option 4 - Close the median at Ross Smith Crescent and signalise the intersection at Chewings Street. Between Option 5 - Signalise the intersections at Ross Smith Crescent and Chewings Street	74,744 16,595 5,200 974,000 1,286,000	Recommended option 5 is beyond the scope of the program. Roads ACT recommended interim measure- Option 1 and Option 3 for the 2018/19 program	118,000

*RSA - Roads Safety Audit recommendations.

**Funding includes procurement fees, feasibility studies costs and contingencies.

7. UPDATE ON RECEIVED NOMINATIONS

Table 3

INTERSECTIONS	MEETS BLACK SPOT CRITERIA	COMMENTS
Hindmarsh Drive/ Tyagarah Street	Yes	Investigated BS 2013 and 2018
Ginninderra Drive/ Tillyard Drive	Yes	2010/11 BS Program (included bid for 18/19 CW)
Haydon Drive/ University Drive	No	
National Circuit/ Hobart Avenue	No	Assesd previously through road safety audit
Majura Avenue/ Cowper Street	Yes	Recent changes to phasing implemented
Melrose Drive/ Hodgson Crescent	Yes	Black Spot Feasibility Study 2018/19
Kuringa Drive/ Kingsford Smith Drive	No	
Kuringa Drive/ Owen Dixon Drive	Yes	Part of future bids for CW.
Drake Brockman Drive/ Spofforth Street	No	
Spalding Street/ Kingsford Smith Drive	Yes	2012/13 BS Program. Part of future CW bid.

Table 4

MIDBLOCKS	MEETS BLACK SPOT CRITERIA	COMMENTS
McFarland Crescent	No	Request for Kangaroo Sign
Tuggernanong Parkway	No	Request for barrier on the left hand side off ramp southbound to Arboretum (barrier not req)
Stockdill Drive	No	
Horse park Drive right after Wellstation Drive going towards Majura Park Drive	Yes	Part of future CW bid

Table 5

INTERSECTION	REASON FOR INCLUSION	5 YEAR CRASH HISTORY (2012– 2016)				NUMBER OF CASUALTY CRASHES IN 5 YEARS	BLACK SPOT RANKING
		Fatal Crash	Serious Injury Crash	Minor Injury Crash	PDO		
Hindmarsh Drive/ Tyagarah Street	Public nomination	0	1	4	4	5	81
Ginninderra Drive/ Tillyard Drive	Public nomination	0	3	14	29	17	2
Majura Avenue/ Cowper Street	Public nomination	0	0	3	48	3	181
Melrose Drive/ Hodgson Crescent	Public nomination	0	0	5	9	5	94
Kuringa Drive/ Owen Dixon Drive	Public nomination	0	1	7	26	8	26
Spalding Street/ Kingsford Smith Drive	Public nomination	0	1	3	9	4	118
National Circuit/ Hobart Avenue	Public nomination	0	0	0	22	0	NA
MIDBLOCK							
Horse Park Drive (Federal Hwy north ramp -> Well Station Dr)	Nominated by the public	0	3	2	30	5	33

Table 6

INTERSECTION	REASON FOR INCLUSION	5 YEAR CRASH HISTORY (2012– 2016)				NUMBER OF CASUALTY CRASHES IN 5 YEARS	BLACK SPOT RANKING
		Fatals	Serious Injuries	Minor Injuries	PDO		
Masson Street / McCaughey Street	Nominated by Roads ACT	0	2	4	20	6	48

MIDBLOCKS	REASON FOR INCLUSION	5 YEAR CRASH HISTORY (2012 – 2016)				NUMBER OF CASUALTY CRASHES IN 5 YEARS	BLACK SPOT RANKING
		Fatals	Serious Injuries	Minor Injuries	PDO		
Barton Highway (William Slim/Gundaroo – Bellenden)	Nominated by Roads ACT	0	2	7	44	9	8
Pialligo Avenue (Scherger – Air Disaster Memorial)	Nominated by Roads ACT	0	1	4	34	5	40

Southern Cross Drive (Kingsford Smith – Coulter) – consist of 5 midblocks and 4 intersections	Public nomination	1	2	5	61	8	NA
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8. SUGGESTED PROGRAM FOR 2018/19

The total allocation of Nation Building Black Spot Program funding for ACT in 2018/2019 is \$966,000 with 2017/18 currently overcommitted by about \$300,000. This leaves total of around \$666,000 available for the 2018/19 program.

Due to the current program coming to an end it's suggested to reduce the scope of the 2018/19 program to bring the total closer to the allocated funding.

Future program funding is yet to be announced.

Sites investigated previously through road safety audit;

- Hobart Avenue / National Circuit \$180,000
- Boboyan Road Crash barrier \$ 80,000

Table 7

Locations for 2018/19	Treatment Type	*Req. Funding	Update
Hobart Avenue / National Circuit	Install Stop control at intersection and upgrade pedestrian facilities	180,000	Awaiting Panel Approval
Boboyan Road crash barrier	Install crash barrier at the Southern side of Fitzs Hill decent.	80,000	Awaiting Panel Approval
Masson Street / McCaughey Street	Install traffic calming devices at the intersection and the associated signage	161,500	Awaiting Panel Approval
Barton Highway (William Slim/Gundaroo – Bellenden	Reduce speed limit from 100 to 80, narrow the median lane and install guide posts	113,700	Awaiting Panel Approval
Pialligo Avenue (Scherger – Air Disaster Memorial)	Reduce speed limit from 100 to 80 and provide additional clearing in the clear zone	25,000	Awaiting Panel Approval
Southern Cross Drive (Kingsford Smith – Coulter)	Extend the nose of the side road median islands and gate "Give Way" signs. Ban U turn at intersections.	118,000	Awaiting Panel Approval
TOTAL		\$678,200	

*Funding includes procurement fees feasibility studies costs and contingencies.

APPENDIX A

List of ACT Black Spot Funded Improvements

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
A00001	Pialligo Ave / Ulinga Pl	roundabout	\$350,000
A00006	Mouat St / Archibald St	turning lane	\$50,000
A00003	Southern Cross Dr / Chewings St	turning lane	\$100,000
A00002	Cotter Rd / Dudley St	reinforce priority	\$30,000
A00004	Empire Cir / Tasmania Cir	reinforce priority	\$100,000
A00009	Erindale Dr / Judkins St	turning lane	\$95,000
A00008	Northbourne Ave / Morphett St	pedestrian facilities	\$255,000
A000010	Johnson Dr / Monaro Highway	roundabout	\$380,000
A000013	Canberra Ave / Dominion Circuit	traffic islands	\$25,000
A000012	Kings Avenue / Parkes Way	line markings, signs, footpaths	\$60,000
A000014	Mugga Lane	line marking, signs, shoulder widening, removal of trees	\$173,000
A000015	Northbourne Ave / Elouera St	traffic lights	\$250,000
A000011	Limestone Ave / Anzac Parade	traffic lights	\$30,000 - design only
A000016	Captain Cook Cres / Stuart St	traffic lights	\$360,000
A000017	Cotter Rd / Dudley St	traffic lights	\$130,000
A000019	Ginninderra Drive/ William Webb Drive	traffic lights	\$350,000
A000021	Newman Morris Circuit/ Taverner Street	traffic lights	\$113,000
A000020	Wentworth Ave/ Mildura St	traffic islands	\$50,000
A03001	Limestone Ave / Anzac Parade	Roundabout	\$300,000
A03031	Cotter Rd / McCulloch St	traffic lights	\$315,000
A03003	Bowen Dr / King Edward Tce	intersection improvements	\$73,000
A03004	Hindmarsh Dr / Palmer St	traffic lights	\$400,000
A03011	Hindmarsh Dr / Tuggeranong Parkway East	intersection improvements	\$26,000
A03010	Erindale Dr / Sternberg Cr	intersection improvements	\$21,500
A03009	Canberra Ave / Eyre St	intersection improvements	\$41,000
A03008	Pialligo Ave / Sutton Rd	intersection improvements	\$27,500
A03007	Melrose St / Botany St	traffic lights	\$313,000
A03013	Moore St / Rudd St	intersection improvements	\$44,000

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
A03012	Antill St / Challis St	intersection improvements	\$29,000
A03006	Cotter Rd / Streeton Dr	intersection improvements	\$50,000
A03005	Parkes Way	Underpass design works	\$120,000
A03014	Sulwood Rd / Colquhoun Dr	Right turn lane	\$120,000 + \$90,000 var
A03015	Ashley Dr / Johnson Dr	Roundabout	\$200,000
A03016	Ashley Dr / Statton St	Sight distance improvements	\$25,000
A03017	Melrose Dr / Theodore Dr	Intersection improvements	\$27,000
A03018	Hindmarsh Dr / Eggleston Cres	Intersection improvements	\$21,000
A03019	Coulter Drive / Joynton Smith Drive	traffic lights	\$260,000
A03020	Streeton Drive / Darwinia Terrace	intersection improvements	\$108,000
A03021	Wentworth Avenue / Mildura Street and Leichhardt Street	intersection improvements	\$107,000
A03022	Sulwood Drive / Inkster Street	intersection improvements	\$87,000
A03023	Southern Cross Drive / Starke Street	intersection improvements	\$89,000
A03024	Coppins Crossing Road	Signage, barriers, lighting	\$22,000
A03025	Kuringa Drive / From Tillyard Drive to Kingsford Smith Drive	Signage and lighting	\$50,000
A03026	Emu Bank / From Eastern Valley Way to Soudy Close	Signage and lighting	\$15,500
A03027	Parkes Way/	Signage	\$19,000
A03028	Naas Road bridge approaches / Apollo Road to top of Naas Road	Signage and barriers	\$25,000
Nation Building			
	Captain Cook Cr / Stuart St	Signage, pavement improvements	\$43,467
	Point Hut Rd (Freshford Rd-Jim Pike Ave)	Signage & barriers	\$218,102
	Namatjira Dr / Streeton Dr	Signage & line marking	\$54,938
	Hindmarsh Dr / Tamar St	Pavement improvements	\$135,748
	Yamba Drive / Mawson Drive	traffic lights	\$524,000
	Hindmarsh Drive / Dalrymple Street	Upgrade road surface & improve signage	\$287,450
	Cooyong Street / Mort Street,	Install directional signage	\$170,450
	Northbourne Avenue / Morphett St	High angle approach for left turn from Morphett St	\$15,450
	Ginninderra Drive / Kingsford Smith Dr	Line marking & signage improvements	\$58,450
	Drakeford Drive / Erindale Drive	Upgrade traffic signals	\$325,450
	William Hovell Drive (Coppins Crossing Rd - Drake Brockman Dr)	Upgrade edge lines	\$70,450
	Luxton Street / Lathlain Street	Traffic lights	\$340,000
	Belconnen Way / Bindubi Street	Intersection improvements	\$70,450

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
	Athllon Drive / Drakeford Drive	Intersection improvements	\$252,250
	Oaks Estate Road / Pialligo Avenue,	Upgrade line marking	\$7,640
	Ginninderra Drive / Ellenborough St	Line marking & signage improvements	\$42,450
	Brindabella Road (Cotter Road - Uriarra Road0	Upgrade signage	\$17,750
	Cotter Road (Brindabella Road -Winslade Property Entrance)	Upgrade signage	\$7,640
	Athllon Drive (Sulwood Drive - Beasley Street	Upgrade edge lines	\$27,550
	Cowper Street / Limestone Avenue	Signal improvements	\$15,000
	Parks Way Clunies Ross St / Edinburgh Av	Signage and line marking improvements	\$128,000
	Canberra Avenue/ Eyre Street	Signage / line marking	\$29,000
	Hindmarsh Drive / Yamba Drive	Left turn improvements	\$530,000
	Yamba Drive / Melrose Drive	Channelization on roundabout	\$84,000
	Hindmarsh Drive / Melrose Drive	Design for intersection improvements	\$59,000
	Brierly Street / Hindmarsh Drive	Signage and line marking improvements	\$45,000
	Tidbinbilla Road (Corin Dam – Point Hut Rd)	Signage and barrier improvements	\$76,000
	Bolderwood Avenue / David Street	Installation of roundabout	\$128,000
	Paddy's River Rd (Laurel Camp Rd – Discovery Dr)	Signage and barrier improvements	\$159,000
	Uriarra Road (Coppins Crossing Rd – Cotter Rd)	Signage and barrier improvements	\$59,000
	Northbourne Avenue / Antill Street	Left turn improvement and road resurfacing	\$555,000
	Kingsford Smith Drive / Kuringa Drive	Signage and intersection improvements	\$18,500
	Brisbane Avenue / State Circle	Signal, lighting improvements	\$28,000
	Wentworth Avenue / Burke Street	Signage and intersection improvements	\$21,800
	Anzac Parade / Blamey Crescent	New signals	\$200,000
	Drakeford Drive / Isabella Drive	Signage and line marking improvements	\$38,515
	Ginninderra Drive / Tillyard Drive	Signage, line marking, island, poles improvements	\$192,512
	Belconnen Way / Springvale Drive	Line marking and poles improvements	\$73,991
	Mugga Lane / Long Gully Road	Left turn storage, line marking pole improvements	\$271,910
	Mass Action Treatments (single vehicle crashes) at various locations	Warning signage, delineation, hazard removal	\$300,000
	College St / Haydon Dr	Pavement surface, traffic signal, light columns and minor intersection improvements	\$313,001
	Drakeford Dr / Summerland Cct South	Signage, line marking, hazard removal/protection	\$209,275
	Tharwa Drive/Box Hill Avenue	Improve visibility and lighting	\$62,637

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
	Girrahween Street /Limestone Avenue	Minor line marking improvements	\$25,600
	Coppins Crossing Road/William Hovell Drive	Reduction of speed limit	\$59,388
	Athllon Drive /Hindmarsh Drive	Signal improvements	\$193,224
	Southern Cross Drive /Kingsford Smith Drive	Signal improvements	\$162,415
	William Hovell Drive/Bindubi Street	Signal improvements	\$119,860
	Monaro Hwy (Hindmarsh Dr – Lanyon Dr)	Enhance speed limit signage. New flashing warning signs before Lanyon Dr	\$183,362 183,200
	Aikman Drive (Emu Bank – Townsend Pl)	Signalise pedestrian crossing	\$250,000
	Challis Street (Cape St – Morphett St)	Painted turn bays and lane definition	\$96,000
	Sandford Street / Gungahlin Drive	Signage improvements	\$16,000
	Kingsford Smith Drive / Spalding Street	Lane reduction	\$130,000
	Athllon Drive / Fincham Crescent	Line of sight improvements	\$40,000
	Macarthur Avenue / David Street / Wattle Street	Signals and signage improvements and upgrade of existing streetlight columns to frangible type	\$187,296
	Eggleston Crescent / Melrose Drive	Partial closure of median. No right turn out of Eggleston Cr	Cancelled
	MELROSE DR / CORINNA ST	speed limit 70km/h to 60 km/h Hindmarsh Dr - Yarra Glen minor intersection improvements	\$238,457
	YAMBA DR / JULIA FLYNN AV (North)	Channelization in the median and new kerbing	\$102,782
	CARRUTHERS EAST - YARRA GLENN NORTH RAMP / CARRUTHERS / YARRA GLENN NORTH - CARRUTHERS WEST RAMP	Traffic signal improvements and barrier improvements	\$189,388
	BELCONNEN WAY / COULTER DR	Install signal mast arms and correct minor deficiencies	\$412,406
	JERRABOMBERRA AV / CAPTAIN COOK CR / STURT AV	Signalise	\$521,250
	DRAKEFORD DR / NOOROOMA ST	Correct minor deficiencies	\$20,586
	DRAKEFORD DR / BARR-SMITH AV	Correct minor deficiencies	\$26,106
	JERRABOMBERRA AV / CAPTAIN COOK CR / STURT AV*	Signals	\$521,250
	JOHN CLELAND / COULTER DR	Install STOP signs	\$22,500 (\$22,548)
	MIDBLOCK - TUGGERANONG PKWY (LADY DENMAN DR-COTTER RAMP EAST)	Animal Fencing and correction of minor deficiencies	\$261,999
	THARWA DR / DUGGAN ST	Separation of left turn deceleration lane and minor median modifications	\$286,419
	GUNGAHLIN DR / WELL STATION DR	Install signal mast arms and correct minor deficiencies	Cancelled
	PIALLIGO AVE / OAKS ESTETE RD	Signalisation	\$836,000 (\$835,545)

BSP No	Location of project	Treatment	Final project cost to Black Spot Program
	Tuggeranong Pkwy (Hind marsh Dr-Sulwood Dr)	Animal Fencing, road side lighting, advance warning signals sign at Sulwood Dr and correction of minor deficiencies	\$1,150,000
	Tuggeranong Pkwy (Hindmarsh Dr-Cotter Rd)	Animal Fencing, Linemarking improvements, Barrier upgrade and correction of minor deficiencies	\$748,000 (\$747,891)
	GINNINDERRA DR / COULTER DR	Hogh angle approach and cycle path improvements	\$197,000
	Kingsford Smith Drive / Southern Cross Drive	Improvements to northbound, westbound and eastbound left turn slip lane (High Angle Approach)	\$780,616
	Belconnen Way / Benjamin Way	Signalise the Benjamin Way southbound left turn lane , provide additional short lane, improve on road cycling facilities	\$389,599
	Sternberg Crs / Langdon Ave	Signalisation, improvements to all median approaches and Comrie St intersection	\$701,284
	Sternberg Crs / Ashley Dr	New roundabout and improvements to all median approaches including pedestrian and on road cycling facilities	\$549,189
	Monaro Highway (Angle Crossing Road – Old Cooma Road)	Install strategic barrier lines	
	Athllon Drive / Don Dunstan Drive / Scollay Street	Change Angle of Hold Line for wester approach, Increased deflection on western side of Roundabout, and speed reduction and line marking changes on southern approach	
	Drakeford Drive / Johnson Drive / Woodcock Drive	Rumble strips and signage improvements.	
	Furneaux Street / Manuka Circle	Instal Stop Control, tighten approach angle and improve pedestrian facilitys	
	Ainslie Street/ Doonkuna Street	Install traffic calming to reinforce existing Stop Control	
	Telopea Park / Currie Crescent	Improve sight distance and tighten the intersection, STOP control	

Black Spot Ranking 2019

5 year crash data (01.01.2014 – 31.12.2018)

Intersection crashes

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Ginninderra Dr/ Tillyard Dr	0	4	17	21	8	11	60	2010/11 BS Program, New Signals 2019
Barton Hwy/ Gundaroo Dr/ William Slim Dr	0	1	18	19	8	10	364	2015/16 CW Program, New Signals 2016
Athllon Dr/ Drakeford Dr	0	5	7	12	6	7	164	
Efkarpidis St/ Hinder St	0	2	10	12	4	5	53	2015/2016 MNW Program
Kuringa Dr/ Owen Dixon Dr	0	1	11	12	7	10	46	Future CW
Lanyon Dr/ Monaro Hwy	0	2	9	11	7	8	80	2012 CW Program
Barry Dr/ Cooyong St/ Northbourne Av	0	1	10	11	4	4	184	Safety Camera
Athllon Dr/ Drakeford Dr/ Isabella Dr	0	3	7	10	4	7	237	2012/13 BS Program
Anzac Pde/ Parkes Way	0	1	9	10	4	5	386	NCA
Antill St/ Mouat St / Northbourne Av	0	1	9	10	4	5	146	2009/10 BS Program
Ernest Cavanagh St/ Gozzard St	0	1	9	10	5	6	36	New Signals
Southern Cross Dr/ Starke St (west)	0	1	9	10	5	6	30	Future CW Program
Hindmarsh Dr/ Tuggeranong Pkwy Ramps (west)	0	3	6	9	4	4	67	
Hindmarsh Dr/ Tuggeranong Pkwy Ramps (east)	0	1	8	9	1	3	187	2016/17 CW Program
Belconnen Way/ Haydon Dr	0	1	8	9	2	5	51	
Barton Hwy Link/ Ellenborough St	0	1	8	9	2	5	45	Investigated BS 2017
Hindmarsh Dr/ Yamba Dr	0	0	9	9	4	5	175	2009/10 BS Program
London Cir/ Northbourne Av	0	0	9	9	2	5	104	Safety Camera
Melrose Dr / Yamba Dr/ Yarra Glen	0	3	5	8	4	4	152	2009/10 BS Program
Drakeford Dr/ Johnson Dr/ Woodcock Dr	0	3	5	8	3	6	99	
Belconnen Way/ Catchpole St/ Lathlain St	0	2	6	8	4	6	53	
Macarthur Av/ Northbourne Av/Wakefield Av	0	0	8	8	3	5	120	2012/13 BS Program
Lhotsky St/ Tillyard Dr	0	0	8	8	3	5	40	

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Barton Hwy/ Gungahlin Dr Ramps (south)	0	0	8	8	1	4	28	
Coranderrk St/ Parkes Way	0	2	5	7	2	4	406	NCA
Canberra Ave/ Sturt Ave/ Wentworth Ave	0	2	5	7	2	3	253	NCA
Belconnen Way/ Bindubi St/ Eastern Valley Way	0	2	5	7	2	3	124	2009/10 Program
Brierly St/ Hindmarsh Dr	0	2	5	7	4	6	21	
Majura Pkwy Ramp northbound/ Morshead Dr	0	1	6	7	3	3	57	CW Program - Majura Parkway
Ginninderra Dr/ William Slim Dr	0	1	6	7	3	5	49	
Oaks Estate Rd/ Pialligo Av	0	1	6	7	0	0	39	2015/16 BS Program
Lawrence Wackett Cr/ Tharwa Dr (west)	0	1	6	7	3	4	20	
Ashley Dr/ Erindale Dr	0	0	7	7	2	4	126	Ashley Dr CW Program
Gungahlin Dr/ Kosciuszko Av/ The Valley Av	0	0	7	7	4	4	73	
Coppins Crossing Rd/ William Hovell Dr	0	0	7	7	4	5	36	2010/11 BS Program
Leichhardt St/ Mildura St/ Wentworth Av	0	2	4	6	5	5	24	
Dumas St/ William Slim Dr	0	2	4	6	1	2	17	
Baldwin Dr/ Ginninderra Dr/ Haydon Dr	0	1	5	6	3	3	181	
Kingsford Smith Dr/ Southern Cross Dr	0	1	5	6	0	2	112	2011/12 BS Program
Morphett St/ Northbourne Av	0	1	5	6	3	3	46	Capital Metro, New Signals
Benham St/ Isabella Dr	0	1	5	6	1	3	21	
Hindmarsh Dr/ Melrose Dr	0	0	6	6	1	3	162	2011/12 CW Program
Canberra Av/ Hindmarsh Dr/ Newcastle St	0	0	6	6	1	2	161	2012/13 Program
Anzac Pde/ Constitution Av	0	0	6	6	2	6	32	2012 NCA Works
Bunda St/ Northbourne Av/ Rudd St	0	0	6	6	3	4	32	Capital Metro
Ginninderra Dr/ Gungahlin Dr Ramps (east)	0	0	6	6	3	4	31	
Canberra Av/ Dalby St	0	0	6	6	2	4	23	
Heard St/ Mawson Dr	0	0	6	6	0	2	21	
Allambee St/ Doonkuna St	0	0	6	6	3	4	13	
Mentone View/ Tharwa Dr	1	1	3	5	2	4	19	
Hindmarsh Dr/ Jerrabomberra Av	0	2	3	5	1	2	54	
Coulter Dr/ John Cleland Cr	0	2	3	5	1	3	22	2014/15 BS Program
Barrallier St/ Stuart St	0	2	3	5	1	5	15	
Findlay St/ Kingsford Smith Dr	0	2	3	5	3	4	13	
Barton Hwy/ Federal Hwy/ Northbourne Av	0	1	4	5	1	1	98	
Hindmarsh Dr/ Streeton Dr	0	1	4	5	1	4	45	

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
David St/ Macarthur Ave/ Wattle St	0	1	4	5	3	4	72	
Anzac Pde/ Fairbairn Av/ Limestone Av	0	1	4	5	1	2	38	
Drakeford Dr/ O'Halloran Cct/ Summerland Cct (north)	0	1	4	5	2	3	36	
Hindmarsh Dr/ Launceston St	0	1	4	5	0	0	35	New Signals 2017
Monaro Hwy/ Isabella Dr	0	1	4	5	4	4	34	
Eggleston Cr/ Hindmarsh Dr	0	1	4	5	1	3	32	New Signals 2017
Furneaux St/Manuka Cir	0	1	4	5	0	1	30	2017/18 BS Program
Benjamin Way/ Cameron Av/ Chan St	0	1	4	5	3	4	25	
Atkins St/ Livingston Av	0	1	4	5	2	2	12	
Coulter Dr/ Luxton St/ Southern Cross Dr	0	0	5	5	1	3	129	
Drakeford Dr/ Sulwood Dr/ Tuggeranong Pkwy	0	0	5	5	1	3	126	
Cooyong St/ Genge St/ Lonsdale St	0	0	5	5	3	4	46	
Anthony Rolfe Av/ Mawby St	0	0	5	5	0	1	37	2012/13 MNW Program
Cotter Rd/ Tuggeranong Pkwy Ramps (east)	0	0	5	5	1	2	37	
Battye St/ Haydon Dr	0	0	5	5	2	2	35	
Barry Dr/ Marcus Clarke St	0	0	5	5	0	1	33	
Gungahlin Dr/ Kosciuszko Av	0	0	5	5	2	3	33	
Eastlake Pde/ Telopea Pk / Wentworth Av	0	0	5	5	2	2	31	
Hoskins St/ Sandford St	0	0	5	5	2	4	30	
Laurens St/ Taverner St	0	0	5	5	3	3	18	
Antill St/ Federal Hwy	0	0	5	5	4	5	17	2008/09 CW Program
Ashley Dr/ Barraclough Cr	0	0	5	5	1	3	13	Ashley Dr CW Program
Ainslie Av/ Doonkuna St	1	0	3	4	0	0	13	2017/18 BS Program
Constitution Av/ Coranderrk St	0	2	2	4	0	0	32	
Anketell St/ Reed St (north)	0	2	2	4	2	3	21	
Northbourne Av/ Swinden St	0	2	2	4	1	1	19	New Signals 2019
Castieau St/ Kingsford Smith Dr	0	2	2	4	1	2	17	
Flynn Dr/ State Cir	0	2	2	4	1	2	6	
Gungahlin Dr/ Sandford St	0	1	3	4	3	3	90	Signals BS 2012
Belconnen Way/ Coulter Dr	0	1	3	4	2	2	77	2013/14 BS Program
Belconnen Way/ Kingsford Smith Dr	0	1	3	4	2	4	76	
Morshead Dr/ Staff Cadet Av	0	1	3	4	1	2	66	
Owen Dixon Dr/ William Slim Dr	0	1	3	4	2	4	55	
Drakeford Dr/ O'Halloran Cct/ Summerland Cct (south)	0	1	3	4	1	2	46	2011/12 BS Program

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Flinders Way/ Manuka Cir	0	1	3	4	2	2	37	
Belconnen Way/ Springvale Dr	0	1	3	4	2	2	36	2010/11 BS Program
Coulter Dr/ Ginninderra Dr	0	1	3	4	0	0	36	
Condamine St/ Ipima St/ Northbourne Av	0	1	3	4	1	2	35	
Reed St/ Scollay St (south)	0	1	3	4	2	2	27	
Drakeford Dr/ Noorooma St	0	1	3	4	0	2	25	2013/14 BS Program
Canberra Av/Empire Cct	0	1	3	4	2	2	24	
Euree St/ Limestone Av/ Treloar Cr	0	1	3	4	1	2	23	
Horse Park Dr/ Mulligans Flat Rd	0	1	3	4	1	2	16	
Braybrooke St/ Ginninderra Dr	0	1	3	4	1	1	15	
Knoke Av/ Pockett Av/ Tharwa Dr	0	1	3	4	2	3	14	
Barry Dr/ Dryandra St Link	0	1	3	4	3	3	8	
Ashley Dr/ Isabella Dr	0	0	4	4	0	1	139	Ashley Dr CW Program
Belconnen Way/ Benjamin Way	0	0	4	4	1	3	120	2016/17 BS Program
Belconnen Way/ Gungahlin Dr	0	0	4	4	0	1	100	New Signals 2009
Hindmarsh Dr/ Monaro Hwy Ramps (west)	0	0	4	4	2	2	88	
Elouera St/ Gould St/ Northbourne Av	0	0	4	4	2	3	45	
Athllon Dr/Don Dunstan Dr/ Scollay St	0	0	4	4	0	1	36	2017/18 BS Program
Long Gully Rd/ Mugga Ln	0	0	4	4	2	2	36	Future CW Program
Edinburgh Av/ Marcus Clarke St	0	0	4	4	2	2	29	
Moore St/ Rudd St	0	0	4	4	2	3	26	
Barry Dr/ Clunies Ross St	0	0	4	4	2	2	25	
Iron Knob St/ Newcastle St	0	0	4	4	2	3	25	
Cossington Smith Cr/ Ellenborough St (south)	0	0	4	4	1	3	23	
Brisbane Av/ Macquarie St	0	0	4	4	2	4	21	
Canberra Av/ Dawes St/ Lockyer St	0	0	4	4	0	2	21	
Girrahween St/ Grimes St/ Limestone Av	0	0	4	4	1	2	21	Signs
Melrose Dr/ Theodore St	0	0	4	4	2	2	20	2012/13 LCT Program
Namatjira Dr/ Parkinson St	0	0	4	4	2	2	18	
Coulter Dr/ Lachlan St	0	0	4	4	2	2	17	
Chisholm St/ Donaldson St/ Limestone Av	0	0	4	4	2	2	16	
Barry Dr/ Moore St	0	0	4	4	3	4	15	
Cowper St/ Dickson Pl	0	0	4	4	0	2	15	

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Currie Cr/Manuka Cir/ New South Wales Cr/ Telopea Pk	0	0	4	4	1	2	15	2016/17 RSM Program
Barr Smith Av/ Drakeford Dr	0	0	4	4	3	3	14	
Farrell Pl/ Marcus Clarke St	0	0	4	4	2	3	12	
Hindmarsh Dr/ Tyagarah St	0	0	4	4	1	2	11	Investigated BS 2013 & 2017
Gould St/ Moore St	0	0	4	4	0	0	9	
Fincham Cr/ Wheeler Cr	0	0	4	4	3	4	6	
Dookie St/ Yamba Dr	1	1	1	3	1	1	9	
Boddington Cr/ Drakeford Dr/ Marconi Cr	1	0	2	3	0	0	84	Reseal in 2016/17
Monaro Hwy/ Old Cooma Rd	1	0	2	3	1	2	5	
Hindmarsh Dr/ Namatjira Dr	0	2	1	3	0	0	60	
Cotter Rd/ Lady Denman Dr	0	2	1	3	0	0	55	
Namatjira Dr/ Streeton Dr (north)	0	2	1	3	1	1	18	
Clift Cr/ Johnson Dr	0	2	1	3	0	0	17	
Alinga St/ Marcus Clark St	0	2	1	3	1	3	12	
Charleston St/ Erindale Dr	0	2	1	3	2	2	5	
Drakeford Dr/ Erindale Dr/ Soward Way	0	1	2	3	0	0	101	2008/09 BS Program
Erindale Dr/ Sternberg Cr	0	1	2	3	1	2	92	
Gungahlin Dr/ Well Station Dr	0	1	2	3	1	2	83	
Canberra Av/ Ipswich St/ Monaro Hwy	0	1	2	3	2	2	70	
Erindale Dr/ Long Gully Rd/ Yamba Dr	0	1	2	3	1	1	67	
Copland Dr/ Ginninderra Dr/ John Cleland Cr	0	1	2	3	3	3	56	
Coulter Dr/ Nettlefold St/ Ogilby St	0	1	2	3	2	2	44	
Hindmarsh Dr/ Monaro Hwy Ramps (east)	0	1	2	3	1	2	42	
College Av/ Haydon Dr	0	1	2	3	1	1	38	
Girrahween St/ Masson St/ Northbourne Ave	0	1	2	3	2	3	38	
Haydon Dr/ Mary Potter Cir (south)	0	1	2	3	2	3	35	Signals
Federal Hwy/ Phillip Av	0	1	2	3	1	1	34	
Anthony Rolfe Av/ Eva West St	0	1	2	3	3	3	27	
Marcus Clark St/ University Av	0	1	2	3	2	2	25	
Hoskins St/ Well Station Dr	0	1	2	3	2	3	24	
Callam St/ Corinna St	0	1	2	3	1	1	23	
Barry Dr/ Boldrewood St	0	1	2	3	1	1	22	
Cowper St/ Ipima St/ Limestone Av	0	1	2	3	2	2	22	
Manuka Cir/ New South Wales Cr/ Telopea Pk	0	1	2	3	1	2	22	2014 MNW Program

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Baldwin Dr/ Chuculba Cr	0	1	2	3	1	1	21	
Erindale Dr/ Sulwood Dr	0	1	2	3	0	1	20	
Giles St/ Wentworth Av	0	1	2	3	3	3	19	
Ginninderra Dr/ William Webb Dr	0	1	2	3	1	1	18	
Drake Brockman Dr/ Kingsford Smith Dr/ William Hovell Dr	0	1	2	3	0	3	18	
Captain Cook Cr/ Murray Cr/ Stuart St	0	1	2	3	1	2	17	
Captain Cook Cr/ Franklin St	0	1	2	3	2	3	12	
Pialligo Av/ Sutton Rd	0	1	2	3	0	2	12	2005/06 BS Program
Beaurepaire Cr/ Southern Cross Dr	0	1	2	3	1	2	6	
Mannheim St/ Sulwood Dr	0	1	2	3	1	2	5	
Castleton Cr/ Weathers St	0	1	2	3	0	2	4	
Julia Flynn Av/ Yamba Dr (south)	0	1	2	3	0	0	4	
Aikman Dr/ Ginninderra Dr	0	0	3	3	2	2	89	
Ginninderra Dr/ Kingsford Smith Dr	0	0	3	3	2	2	82	
Barton Hwy/ Clarrie Hermes Dr/ Kuringa Dr	0	0	3	3	1	2	62	
Cooyong St/ Mort St	0	0	3	3	1	1	47	2008/09 BS Program
Dalrymple St/ Hindmarsh Dr/ Mugga Ln	0	0	3	3	2	2	46	
Drakeford Dr/Tharwa Dr	0	0	3	3	2	2	40	
Brindabella Cct/ Pialligo Av	0	0	3	3	0	1	36	
Gungahlin Dr/ Kelleway Av/ Wanganeen Av	0	0	3	3	1	1	34	
Coyne St/ Hambidge Cr/ Isabella Dr	0	0	3	3	2	2	33	
Carruthers St/ Yarra Glen Ramps (west)	0	0	3	3	0	0	32	
Bindubi St/ William Hovell Dr	0	0	3	3	3	3	30	
Newcastle St/ Whyalla St	0	0	3	3	1	1	26	
Hibberson St/ Hinder St	0	0	3	3	2	3	24	Capital Metro
National Cct/ Sydney Av	0	0	3	3	3	3	23	
Ashley Dr/ Ellerston Av	0	0	3	3	1	1	22	Ashley Dr CW Program
Athllon Dr/ Fincham St	0	0	3	3	1	3	21	
Athllon Dr/ Beasley St (south)	0	0	3	3	0	0	19	
Masson St/ Mccaughey St	0	0	3	3	1	1	19	
Athllon Dr/ Learmonth Dr	0	0	3	3	0	2	18	
Arthur Cir/ Monaro Cr/ Tasmania Cir	0	0	3	3	1	2	17	
Carnegie St/ La Perouse St	0	0	3	3	2	3	17	
Monaro Hwy/ Sheppard St	0	0	3	3	2	2	17	
Haydon Dr/ University Dr	0	0	3	3	1	1	16	

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Mcmillan Cr/ Sturt Av	0	0	3	3	0	1	16	
Brewer St/ Melrose Dr	0	0	3	3	1	2	15	
Florey Dr/ Lhotsky St	0	0	3	3	1	1	14	
Goyder St/ Jerrabomberra Av	0	0	3	3	0	1	14	
Chan St/ Lathlain St/ Weedon Cl	0	0	3	3	1	2	13	
Dudley St/ Novar St	0	0	3	3	2	2	13	
Canberra Av/ Whyalla St	0	0	3	3	1	2	13	
Hodgson Cr/ Melrose Dr	0	0	3	3	0	0	12	
Gozzard St/ Gundaroo Dr/ James Kirk St	0	0	3	3	1	2	12	
Batman St/ Gooreen St	0	0	3	3	1	1	11	
Battye St/ Watkin St	0	0	3	3	0	1	10	
Phillip Av/ Windeyer St	0	0	3	3	0	2	10	
Bunbury St/ Namatjira Dr	0	0	3	3	2	2	9	
Kintore Cr/ Novar St	0	0	3	3	0	1	8	
Companion Cr/ Kingsford Smith Dr	0	0	3	3	2	2	6	
Basedow St/Beasley St	0	0	3	3	1	1	5	
Kings Hwy / HQJOC Access Rd	0	0	3	3	0	2	5	
King George Tce/ Langton Cr	0	0	3	3	2	3	4	
Easty St/ Launceston St	0	0	3	3	2	3	3	

Total of 211 intersections

Midblock Crashes

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Tuggeranong Parkway (Lady Denman Dr to Tuggeranong Pkwy southbound Ramp – Tuggeranong Pkwy to Cotter Rd southbound Ramp)	0	0	15	15	5	8	152	Investigated BS 2013
Brindabella Road (Cotter Rd - Jim Bradley Cr)	0	4	8	12	4	7	24	2008/09 BS Program
Monaro Highway (Hindmarsh Dr to Monaro Hwy southbound Ramp – David Warren Rd)	0	3	8	11	4	4	88	
Tuggeranong Parkway (Hindmarsh Dr to Tuggeranong Pkwy southbound Ramp – Drakeford Dr/ Sulwood Dr)	0	3	7	10	3	5	100	
Monaro Highway (Johnson Dr - Old Cooma Rd)	0	2	8	10	2	3	36	
William Hovell Drive (Drake Brockman Dr/ Kingsford Smith Dr - Coppins Crossing Rd)	0	2	7	9	2	3	82	2008/09 BS Program
Cotter Road (Picnic Ln - Mt Stromlo Rd)	1	2	6	9	4	5	26	2008/09 BS Program
Monaro Highway (David Warren Rd – Lanyon Dr)	0	1	8	9	5	6	71	
Barton Highway (Bellenden Rd - Gundaroo Dr/ William Slim Dr)	0	1	7	8	1	4	50	
Paddys River Road (Laurel Camp Rd – Discovery Dr)	1	3	3	7	5	5	23	2009/10 BS Program
Pialligo Avenue (Scherger Dr - Air Disaster Rd)	0	3	4	7	5	5	45	
Athllon Drive (Sulwood Dr - Beasley St)	0	2	5	7	1	3	33	2008/09 BS Program
Belconnen Way (Bindubi St/ Eastern Valley Way – Haydon Dr)	0	1	6	7	3	5	78	
Parkes Way (Glenloch Interchange – Parkes Way to Lady Denman Dr westbound Ramp)	0	1	6	7	5	5	77	2011/12 CW Program
Monaro Highway (Lanyon Dr –Sheppard St)	0	1	6	7	0	3	43	
Barry Drive (Belconnen Way – Frith Rd northbound Ramp)	0	1	6	7	3	5	23	
Tuggeranong Parkway (Cotter Rd to Tuggeranong Pkwy northbound Ramp - Tuggeranong Pkwy to Cotter Rd northbound Ramp)	0	0	7	7	1	3	79	Proposed For Investigation
Horse Park Drive (Horse Park to Federal Hwy northbound Ramp - Well Station Dr)	0	3	3	6	3	4	70	

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Black Mountain Drive (Clunies Ross St - Black Mountain Dr)	0	3	3	6	4	4	12	
Northbourne Avenue (Alinga St – Bunda St/Rudd St)	0	1	5	6	2	3	70	
Belconnen Way (Benjamin Way – Bindubi St/ Eastern Valley Way)	0	1	5	6	3	4	59	
Newcastle Street (Molonglo Mall/ Wollongong St – Collie St)	0	1	5	6	2	5	26	
Isabella Drive (Benham St – Goldstein Cr/ Kellett St)	1	1	3	5	0	4	22	
Tidbinbilla Road (Point Hut Rd – Corin Rd)	1	0	4	5	2	3	14	
Canberra Avenue (Mildura St - Monaro Hwy to Canberra Av northbound Ramp)	0	3	2	5	1	1	37	
Belconnen Way (Gungahlin Dr - Barry Dr)	0	2	3	5	2	3	41	
Hindmarsh Drive (Launceston St - Hindmarsh Dr/ Tuggeranong Pkwy Ramps east)	0	1	4	5	1	2	105	
Monaro Highway (Mugga Ln – Isabella Dr)	0	1	4	5	1	2	67	
Northbourne Avenue (Condamine St/Ipima St – Macarthur Ave/Wakefield Ave)	0	1	4	5	0	2	60	
Hindmarsh Drive (Tamar St – Tyagarah St)	0	1	4	5	2	5	56	
Horse Park Drive (Mapleton Av/Dugong Way - Anthony Rolfe Av/Gecko Way)	0	1	4	5	2	3	25	
Corin Road (Corin Rd- Corin Rd) – 4.5 km length	0	1	4	5	4	4	6	
Gundaroo Drive (Gungahlin Dr - Ginn St/ Nari St)	0	0	5	5	1	3	137	
Gungahlin Drive (Barton Hwy to Gungahlin Dr eastbound Ramp – Sandford St)	0	0	5	5	1	2	61	
Northbourne Avenue (Elouera St/Gould St – Girrahween St/ Masson St)	0	0	5	5	2	3	40	
Challis Street (Morphett St - Cape St/ Dickson Bus Stn Acc)	0	0	5	5	4	5	19	
Monaro Highway (Royalla Rd – Williamsdale Rd)	4	0	0	4	0	2	16	
Lady Denman Drive (Garryowen Dr – Lady Denman Dr)	1	1	2	4	3	4	7	
Monaro Highway (Isabella Dr - Old Tuggeranong Rd)	1	0	3	4	2	2	39	
Bindubi Street (William Hovell Dr – Bandjalong Cr/ Lyttleton Cr)	1	0	3	4	0	2	31	

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Erindale Drive (Long Gully Rd/Yamba Dr - Sulwood Dr)	1	0	3	4	1	1	23	
Parkes Way (Clunies Ross St to Parkes Way eastbound Ramp – Edinburgh Av/ Lawson Cr Ramps west)	0	2	2	4	0	3	93	2007/08 BS Program
Caswell Drive (Glenloch Interchange – Belconnen Way to Caswell Dr southbound Ramp)	0	2	2	4	1	2	63	
Flemington Road (Epic Access Rd – Randwick Rd)	0	2	2	4	1	2	36	
Barry Drive (Clunies Ross St – Boldrewood St)	0	2	2	4	1	2	15	
Majura Parkway (Fairbairn Av to Majura Pkwy northbound Ramp - Majura Pkwy/Tambrete St Ramps south)	0	1	3	4	2	4	21	
Brindabella Road (Blue Range Rd – Brindabella Rd)	0	1	3	4	1	4	6	
Tuggeranong Parkway (Cotter Rd to Tuggeranong Pkwy southbound Ramp - Tuggeranong Pkwy to Hindmarsh Dr southbound Ramp)	0	0	4	4	2	3	148	Proposed For Investigation
Commonwealth Avenue (Flynn Dr to Commonwealth Ave northbound Ramp – Albert St)	0	0	4	4	0	1	109	
William Hovell Drive (Coulter Dr – Bindubi St)	0	0	4	4	1	2	75	
Parkes Way (Anzac Pde – Parkes Way to Kings Ave eastbound Ramp)	0	0	4	4	3	3	51	
Emu Bank (Benjamin Way – Soundy Cl/Veryard Cl)	0	0	4	4	2	3	38	
Kuringa Drive (Kingsford Smith Dr – Tillyard Dr)	0	0	4	4	1	1	33	2007/08 BS Program
Hindmarsh Drive (Canberra Av/ Newcastle St – Hindmarsh Dr/Monaro Hwy Ramps east)	0	0	4	4	3	3	30	
Commonwealth Avenue (Albert St – Corkhill St)	0	0	4	4	2	4	28	
William Hovell Drive (Bindubi St - Glenloch Interchange)	0	0	4	4	1	1	26	
Adelaide Avenue (Hopetoun Cct to Adelaide Av westbound Ramp – Adelaide Av to Kent St westbound Ramp)	0	0	4	4	3	4	21	
Erindale Drive (Harricks Cr/Taverner St – Judkins St)	1	1	1	3	2	2	7	
Point Hut Road (Freshford Rd – Jim Pike Av)	0	3	0	3	2	2	18	

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Kuringa Drive (Barton Hwy/Clarrie Hermes Dr - Owen Dixon Dr)	0	2	1	3	0	0	11	
Southern Cross Drive (Chave St – Starke St)	0	2	1	3	1	2	9	
Mirrabei Drive (Paul Coe Av/Shoalhaven Av – Wanganeen Av)	0	2	1	3	2	3	8	
Baldwin Drive (Gum St - Chuculba St)	0	2	1	3	0	1	4	
Northbourne Avenue (Macarthur Ave/Wakefield Ave – Morphett St)	0	1	2	3	1	2	63	
Gladstone Street (Wollongong St – Albany St)	0	1	2	3	0	0	37	
Commonwealth Avenue (Queen Victoria Tce – Kaye St)	0	1	2	3	3	3	27	
Cotter Road (Cotter Rd/ Tuggeranong Pkwy Ramps east - Yarralumla Woolshed Rd)	0	1	2	3	1	2	23	
Clarrie Hermes Drive (Barton Dr/Kuringa Dr –Kelleway Av)	0	1	2	3	0	0	20	
Northbourne Avenue (Vernon Cir – London Cct)	0	1	2	3	1	1	16	
Cotter Road (Brindabella Rd – Picnic Ln)	0	1	2	3	1	3	10	
Federal Highway (Barton Hwy/ Northbourne Av - Phillip Av)	0	0	3	3	1	2	65	
Kings Avenue (Wendouree Dr – Kings Av to Bowen Dr off Ramp)	0	0	3	3	1	1	61	
Gungahlin Drive (Gungahlin Dr to Ginninderra Dr southbound Ramp - Barton Hwy to Gungahlin Dr southbound Ramp)	0	0	3	3	0	0	52	
Federal Highway (Phillip Av – Flemington Rd)	0	0	3	3	0	1	47	
Canberra Avenue (Tom Price St – Woods Ln)	0	0	3	3	2	2	42	
Tuggeranong Parkway (Lady Denman Dr to Tuggeranong Pkwy northbound Ramp - Tuggeranong Pkwy to Lady Denman Dr northbound Ramp)	0	0	3	3	0	1	41	
Hindmarsh Drive (Jerrabomberra Av - Dalrymple St/ Mugga Ln)	0	0	3	3	1	1	34	
Hindmarsh Drive (Eggleston Cres – Launceston St)	0	0	3	3	1	1	32	
Yamba Drive (Numeralla St – Mawson Dr)	0	0	3	3	2	2	23	
Drakeford Drive (Barr Smith Av – Athllon Dr/Isabella Dr)	0	0	3	3	1	3	22	

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Majura Avenue (Cowper St – Limestone Av/ Wakefield Av)	0	0	3	3	2	3	22	
Morshead Drive (Staff Cadet Av – Menindee Dr/ Russell Dr)	0	0	3	3	2	2	22	
Tuggeranong Parkway (Tuggeranong Pkwy to Lady Denman Dr southbound Ramp - Lady Denman Dr to Tuggeranong Pkwy northbound Ramp)	0	0	3	3	2	2	20	
Yamba Drive (Julia Flynn Av - Erindale Dr/Long Gully Rd)	0	0	3	3	0	0	20	
Coppins Crossing Road (William Hovell Dr – Uriarra Rd)	0	0	3	3	1	1	19	
Coulter Drive (Redfern St/Springvale Dr – William Hovell Dr)	0	0	3	3	1	3	17	
Mugga Lane (John Cory Rd - Long Gully Rd)	0	0	3	3	1	2	17	
Majura Parkway (Majura Pwy/Tambrete St north Ramps - Majura Road)	0	0	3	3	3	3	10	
Majura Avenue (Hawdon St –Davenport St)	0	0	3	3	1	2	9	
Castleton Crescent (Wheatley St – Coningham St)	0	0	3	3	0	0	6	
Boboyan Road (Naas Rd/Top Naas Rd – Orroral Rd)	0	0	3	3	1	1	4	

Total of 91 mid-blocks

BLACK SPOT PROGRAMME ACT CONSULTATIVE PANEL

Meeting No 34

26 July 2019
11:00 am – 12:00 pm
Level 1, 496 Northbourne Avenue, Dickson ACT 2602

Attendees

Zed Seselja, Senator for ACT – Chair
[REDACTED] (Department of Infrastructure and Regional Development)
[REDACTED] (Pedal Power, PP)
[REDACTED] (Motorcycle Riders Association ACT, MRA)
[REDACTED] (NRMA Motoring & Services)
Pawel Potapowicz (Roads ACT)
Jayanthi Vikneson (Roads ACT)

Absent

[REDACTED] (Australasian College of Road Safety, ACRS)
Belinda Owen (Road Safety Policy, JACS)
[REDACTED] (NCA)

Observers

[REDACTED] (Office of Senator the Hon. Zed Seselja)
[REDACTED] (Office of Senator the Hon. Zed Seselja)

1. Introduction and confirmation of draft Agenda

Mr Seselja welcomed members to the meeting, and confirmed the agenda items. Roads ACT informed that members from ACRS and JACS were not present.

2. Matters arising from previous minutes

The Minutes from the meeting in June 2018 were accepted.

Roads ACT advised that an Addendum to the Minutes had been circulated regarding some additional work for the Pialligo Avenue project (the incorporation of audio tactile line-marking on centreline for enhanced safety on this undivided road), and no objections were raised to it.

There were no outstanding matters from these Minutes.

3. Progress update on 2017/18 & 2018/19 projects

Roads ACT advised that funding for road safety projects had been increased across Australia from 2019/20 through the Local and State Government Road Safety Package. As a result, the ACT Black Spot Program will now receive \$1,529,000 per year from 2019-20 to 2023-24.

Roads ACT advised that all 2017/18 projects had been completed with the exception of the Barton Highway access road/Ellenborough Street project.

The Barton Highway/Ellenborough Street project has been removed from the program as the detailed design highlighted some visibility issues with the proposed interim treatments that

could make them unsafe. The recommended roundabout treatment will be considered in future Capital Works programs.

Roads ACT advised that all 2018/19 projects had been delayed due to the late Federal Government announcement of the program. The projects are currently at detailed design stage.

Roads ACT advised that, given the increased funding now available, the Southern Cross Drive project will be re-scoped, with the minor improvements originally proposed changed to the recommendation of signalisation of 2 seagull intersections in the studied corridor.

4. Update on feasibility studies

Roads ACT presented the Feasibility Study outcomes of two investigated road corridors (refer to page 9 of the Briefing Notes for Meeting 34).

The panel discussed the recommended treatments for the two projects.

5. Panel's consideration of projects for the 2019/20 program

Roads ACT tabled the list of project nominations received from the public and by Roads ACT (refer to page 10 of the Briefing Notes for Meeting 34).

Roads ACT proposed to accelerate the 2019/20 program by implementing recommendations from the Southern Cross Drive study to signalise two intersections as a mid-block treatment. This approach will use the economies of scale and provide savings of treating two intersections as part of one funding scenario using two funding periods.

The panel unanimously endorsed the following package of works for the 2019/20 program:

Locations for 2019/20	Treatment Type	*Req. Funding
<p style="text-align: center;">Mawson Drive (Athllon - Ainsworth)</p> <p style="text-align: center;">- consists of 6 midblocks and 5 intersections</p>	<ul style="list-style-type: none"> • Chanalisation both ways, and channelised left turn lanes for all intersections. • Convert Mountevans Street to left-in/ left-out only. • Improve the angle for the storage area in the medians. • Reduce pedestrian crossing distance on Mawson Drive connecting to the main community route. Change the speed limit to 40 km/h on Mawson Drive between Athllon Drive and Hurley Street. • Install traffic calming in both directions between Mawson Place and Heard Street. 	768,400
<p style="text-align: center;">Southern Cross Drive (Kingsford Smith – Coulter)</p> <p style="text-align: center;">- consists of 5 midblocks and 4 intersections</p>	<p>Signalise the intersections of:</p> <ul style="list-style-type: none"> • Southern Cross Drive / Ross Smith Crescent and • Southern Cross Drive / Chewings Street 	1,797,900 (over two years of funding)
TOTAL		\$2,566,300

*Req. Funding includes procurement fees, feasibility studies costs and contingencies.

Action – Proposed program to be recommended to the Federal Minister for approval.

6. Other business

There was no other business discussed.

7. Next meeting

Mr Seselja requested the next meeting be scheduled at the end of the year (2019) to provide an update on the feasibility studies and projects.

Action – Roads ACT to set a date for the next meeting following liaison with Mr Seselja's office.

Mr Seselja thanked the Panel members for attending and closed the meeting.

Black Spot Program 2020

5 year crash data (01.01.2015 – 31.12.2019)

Intersection crashes

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Barton Hwy/ Gundaroo Dr/ William Slim Dr	0	0	21	21	11	15	293	2015/16 CW Program, New Signals 2016
Ginninderra Dr/ Tillyard Dr	0	2	15	17	6	8	58	2010/11 BS Program, New Signals 2019
Kuringa Dr/ Owen Dixon Dr	0	1	12	13	4	8	42	Future CW
Lanyon Dr/ Monaro Hwy	0	2	9	11	5	8	86	2012 CW Program
Efkarpidis St/ Hinder St	0	2	9	11	2	5	52	2015/2016 MNW Program
Athllon Dr/ Drakeford Dr/ Isabella Dr	0	2	8	10	6	6	237	2012/13 BS Program
Barry Dr/ Cooyong St/ Northbourne Av	0	2	8	10	4	6	175	Safety Camera
Athllon Dr/ Drakeford Dr	0	3	6	9	6	7	157	
Southern Cross Dr/ Starke St (west)	0	2	7	9	6	6	28	Future CW Program
Antill St/ Mouat St/ Northbourne Av	0	1	8	9	3	6	140	2009/10 BS Program
David St/ Macarthur Av/ Wattle St	0	1	8	9	7	7	71	
Hindmarsh Dr/ Yamba Dr	0	0	9	9	5	6	180	2009/10 BS Program
Belconnen Way/ Catchpole St/ Lathlain St	0	2	6	8	2	4	49	
Ashley Dr/ Erindale Dr	0	1	7	8	2	4	127	Ashley Dr CW Program
Barton Hwy Link/ Ellenborough St	0	1	7	8	1	2	49	Investigated BS 2017
Melrose Dr/ Yamba Dr/ Yarra Glen	0	3	4	7	2	4	139	2009/10 BS Program
Drakeford Dr/ Johnson Dr/ Woodcock Dr	0	2	5	7	2	3	99	
Brierly St/ Hindmarsh Dr	0	2	5	7	3	5	23	
Anzac Pde/ Parkes Way	0	1	6	7	1	4	389	NCA
Hindmarsh Dr/ Tuggeranong Pkwy Ramps (west)	0	1	6	7	4	7	61	
Canberra Av/ Dalby St	0	1	6	7	1	3	24	

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Ashley Dr/ Barraclough Cr	0	1	6	7	3	3	13	Ashley Dr CW Program
Macarthur Av/ Northbourne Av/ Wakefield Av	0	0	7	7	2	3	119	2012/13 BS Program
Gungahlin Dr/ Kosciuszko Av/ The Valley Way	0	0	7	7	5	5	84	
Coppins Crossing Rd/ William Hovell Dr	0	0	7	7	1	4	41	2010/11 BS Program
Lhotsky St/ Tillyard Dr	0	0	7	7	4	4	35	New Signals
Barton Hwy/ Gungahlin Dr Ramps (south)	0	0	7	7	0	1	31	
Anzac Pde/ Constitution Av	0	0	7	7	2	3	31	2012 NCA Works
Mentone View/ Tharwa Dr	1	1	4	6	2	3	15	
Coranderrk St/ Parkes Way	0	2	4	6	3	3	415	NCA
Kingsford Smith Dr/ Southern Cross Dr	0	2	4	6	2	2	114	2011/12 BS Program
Barrallier St/ Stuart St	0	2	4	6	2	2	13	
Findlay St/ Kingsford Smith Dr	0	2	4	6	2	4	12	
Anthony Rolfe Av/ Eva West St	0	1	5	6	6	6	36	
Isabella Dr/ Monaro Hwy	0	1	5	6	3	5	36	
Anzac Pde/ Fairbairn Av/ Limestone Av	0	1	5	6	2	2	32	
Ernest Cavanagh St/ Gozzard St	0	1	5	6	2	5	27	New Signals
Cossington Smith Cr/ Ellenborough St (south)	0	1	5	6	2	3	24	
Lawrence Wackett Cr/ Tharwa Dr (west)	0	1	5	6	1	3	18	
Barry Dr/ Dryandra St Link	0	1	5	6	5	6	13	
London Cir/ Northbourne Av	0	0	6	6	0	2	94	Safety Camera
Belconnen Way/ Haydon Dr	0	0	6	6	1	3	57	
Benham St/ Isabella Dr	0	0	6	6	1	2	23	
Boddington Cr/ Drakeford Dr/ Marconi Cr	1	1	3	5	3	3	91	Reseal In 2016/17
Belconnen Way/ Bindubi St/ Eastern Valley Way	0	2	3	5	3	3	117	2009/10 Program
Girrahween St/ Masson St/ Northbourne Av	0	2	3	5	4	4	39	
Constitution Av/ Coranderrk St	0	2	3	5	1	1	32	
Euree St/ Limestone Av/ Treloar Cr	0	2	3	5	3	3	24	
Pialligo Av/ Sutton Rd	0	2	3	5	2	2	12	2005/06 BS Program
Baldwin Dr/ Ginninderra Dr/ Haydon Dr	0	1	4	5	2	3	172	

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Hindmarsh Dr/ Tuggeranong Pkwy Ramps (east)	0	1	4	5	1	1	134	2016/17 CW Program
Owen Dixon Dr/ William Slim Dr	0	1	4	5	1	3	55	
Majura Pkwy to Morshead Dr northbound Ramp/ Morshead Dr	0	1	4	5	2	3	49	CW Program - Majura Parkway
Flinders Way/ Manuka Cir	0	1	4	5	2	3	43	
Drakeford Dr/ O'halloran Cct/ Summerland Cct (north)	0	1	4	5	2	3	35	
Condamine St/ Ipima St/ Northbourne Av	0	1	4	5	1	2	32	
Long Gully Rd/ Mugga Way	0	1	4	5	2	4	31	Future CW Program
Benjamin Way/ Cameron Av/ Chan St	0	1	4	5	2	3	24	
Leichhardt St/ Mildura St/ Wentworth Av	0	1	4	5	3	5	23	
Canberra Av/ Hindmarsh Dr/ Newcastle St	0	0	5	5	1	1	164	2012/13 Program
Belconnen Way/ Benjamin Way	0	0	5	5	1	2	101	2016/17 BS Program
Belconnen Way/ Kingsford Smith Dr	0	0	5	5	3	3	76	
Cooyong St/ Genge St/ Lonsdale St	0	0	5	5	2	3	53	
Ginninderra Dr/ William Slim Dr	0	0	5	5	2	3	41	
Anthony Rolfe Av/ Mawby St/ Hinder St	0	0	5	5	0	0	40	2012/13 MNW Program
Bunda St / Northbourne Av/ Rudd St	0	0	5	5	4	4	39	Capital Metro
Ginninderra Dr/ Gungahlin Dr Ramps (east)	0	0	5	5	2	3	31	
Edinburgh Av/ Marcus Clarke St	0	0	5	5	2	3	28	
Hoskins St/ Sandford St	0	0	5	5	0	2	23	
Athllon Dr/ Learmonth Dr	0	0	5	5	2	2	22	
Heard St/ Mawson Dr	0	0	5	5	0	0	22	
Brisbane Av/ Macquarie St	0	0	5	5	2	3	20	
Melrose Dr/ Theodore Dr	0	0	5	5	2	3	19	2012/13 LCT Program
Laurens St/ Taverner St	0	0	5	5	1	4	18	
Antill St/ Federal Hwy	0	0	5	5	1	4	17	2008/09 CW Program
Barry Dr/ Moore St	0	0	5	5	1	4	16	
Phillip Av/ Windeyer St	0	0	5	5	2	2	13	
Allambee St/ Doonkuna St	0	0	5	5	2	4	12	

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Clift Cr/ Johnson Dr	0	3	1	4	1	1	16	
Hindmarsh Dr/ Namatjira Dr	0	2	2	4	1	1	54	
Hindmarsh Dr/ Launceston St	0	2	2	4	3	3	29	New Signals 2017
Namatjira Dr/ Streeton Dr	0	2	2	4	3	3	21	
Dixon Dr/ Hindmarsh Dr	0	2	2	4	2	2	11	
Charleston St/ Erindale Dr	0	2	2	4	1	3	7	
Canberra Av/ Sturt Av/ Wentworth Av (Hume Place)	0	1	3	4	0	2	275	NCA
Gungahlin Dr/ Sandford St	0	1	3	4	3	4	99	Signals BS 2012
Barton Hwy/ Federal Hwy/ Northbourne Av	0	1	3	4	0	1	87	
Hindmarsh Dr/ Streeton Dr	0	1	3	4	1	1	48	
Haydon Dr/ Mary Potter Cir (south)	0	1	3	4	2	3	33	Signals
Coulter Dr/ William Hovell Dr	0	1	3	4	3	4	32	
Oaks Estate Rd/ Pialligo Av	0	1	3	4	0	0	28	2015/16 BS Program
Giles St/ Wentworth Av	0	1	3	4	1	4	19	
Manuka Cir/ New South Wales Cr/ Telopea Pk	0	1	3	4	2	2	17	2014 MNW Program
Knoke Av/ Pockett Av/ Tharwa Dr	0	1	3	4	2	2	14	
David St/ Froggatt St/ Westgarth St	0	1	3	4	4	4	8	
Hindmarsh Dr/ Melrose Dr	0	0	4	4	0	1	164	2011/12 CW Program
Gundaroo Dr/ Gungahlin Dr	0	0	4	4	3	3	146	
Coulter Dr/ Luxton St/ Southern Cross Dr	0	0	4	4	1	1	121	
Drakeford Dr/ Erindale Dr/ Soward Way	0	0	4	4	2	2	121	2008/09 BS Program
Drakeford Dr/ Sulwood Dr/ Tuggeranong Pkwy	0	0	4	4	0	1	119	
Ginninderra Dr/ Kingsford Smith Dr	0	0	4	4	2	3	83	
Hindmarsh Dr/ Monaro Hwy Ramps (west)	0	0	4	4	1	2	82	
Belconnen Way/ Coulter Dr	0	0	4	4	2	3	80	2013/14 BS Program
Morphett St/ Northbourne Av	0	0	4	4	1	3	44	Capital Metro, New Signals
Drakeford Dr/ Tharwa Dr	0	0	4	4	3	3	43	
Gungahlin Dr/ Kelleway Av/ Wanganeen Av	0	0	4	4	2	2	36	
Carruthers St/ Yarra Glen Ramps (west)	0	0	4	4	2	2	36	

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Cotter Rd/ Tuggeranong Pkwy Ramps (east)	0	0	4	4	0	1	35	
Gungahlin Dr/ Kosciuszko Av	0	0	4	4	3	3	31	
Moore St/ Rudd St	0	0	4	4	1	2	28	
Girrahween St/ Grimes St/ Limestone Av	0	0	4	4	1	2	25	Signs
Canberra Av/ Dawes St/ Lockyer St	0	0	4	4	2	2	20	
Currie Cr/ Manuka Cir/ New South Wales Cr/Telopea Pk	0	0	4	4	0	1	18	2016/17 RSM Program
Carnegie St/ La Perouse St	0	0	4	4	1	3	18	
Monaro Hwy/ Sheppard St	0	0	4	4	2	3	17	
Gozzard St/ Gundaroo Dr/ James Kirk St	0	0	4	4	1	2	13	
Blackall St/ Kings Av	0	0	4	4	2	4	7	
Fincham Cr/ Wheeler Cr	0	0	4	4	2	3	6	
Easty St/ Launceston St	0	0	4	4	3	3	5	
Ratcliffe Cr/ Southern Cross Dr (west)	1	0	2	3	2	2	11	
Chewings St/ Southern Cross Dr	1	0	2	3	1	1	8	
Erindale Dr/ Sternberg Cr	0	2	1	3	1	2	82	
Cotter Rd/ Lady Denman Dr	0	2	1	3	0	0	56	
Barry Dr/ Boldrewood St	0	2	1	3	2	2	21	
Northbourne Av/ Swinden St	0	2	1	3	0	1	17	New Signals 2019
Alinga St/ Marcus Clarke St	0	2	1	3	1	1	14	
Canberra Av/ Ipswich St/ Monaro Hwy	0	1	2	3	2	2	75	
Cotter Rd/ Streeeton Dr	0	1	2	3	1	1	75	
Morshead Dr/ Staff Cadet Av	0	1	2	3	1	1	68	
Gungahlin Dr/ Well Station Dr	0	1	2	3	1	1	66	
Copland Dr/ Ginninderra Dr/ John Cleland Cr	0	1	2	3	2	3	55	
Hindmarsh Dr/ Monaro Hwy Ramps (east)	0	1	2	3	1	2	51	
Hindmarsh Dr/ Jerrabomberra Av	0	1	2	3	0	1	51	
Barry Dr/ Mccaughey St/ North Rd	0	1	2	3	1	3	47	
Coulter Dr/ Nettlefold St/ Ogilby St	0	1	2	3	1	2	42	
Brindabella Cct/ Pialligo Av	0	1	2	3	1	1	41	
Cotter Rd/Mcculloch St	0	1	2	3	1	2	37	

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Coulter Dr/ Ginninderra Dr	0	1	2	3	0	0	37	
Marcus Clarke St/ University Av	0	1	2	3	2	2	28	
Hoskins St/ Well Station Dr	0	1	2	3	0	2	27	
Bindel St/ Bindubi St/ Redfern St	0	1	2	3	1	1	26	
Furneaux St/ Manuka Cir	0	1	2	3	0	0	25	2017/18 BS Program
Baldwin Dr/ Chuculba Cr	0	1	2	3	0	1	24	
Cowper St/ Ipima St/ Limestone Av	0	1	2	3	2	2	21	
Canberra Av/ Empire Cct	0	1	2	3	0	2	21	
Anketell St/ Reed St (north)	0	1	2	3	2	2	18	
Drake-Brockman Dr/ Kingsford Smith Dr/ William Hovell Dr/	0	1	2	3	0	0	18	
Horse Park Dr/ Mulligans Flat Rd	0	1	2	3	1	1	17	
Coulter Dr/ John Cleland Cr	0	1	2	3	0	1	16	2014/15 BS Program
Braybrooke St/ Ginninderra Dr	0	1	2	3	1	2	15	
Captain Cook Cres/ Franklin St	0	1	2	3	0	2	14	
Dumas St/ William Slim Dr	0	1	2	3	0	1	14	
Allsop St/ Marcus Clarke St	0	1	2	3	3	3	11	
Mannheim St/ Sulwood Dr	0	1	2	3	0	1	9	
Allambee St/ Elimatta St	0	1	2	3	2	2	4	
Beaurepaire Cr/ Southern Cross Dr	0	1	2	3	1	1	4	
Aikman Dr/ Ginninderra Dr/ Tenterfield Av	0	0	3	3	2	2	90	
Athllon Dr/ Sulwood Dr	0	0	3	3	1	2	87	
Barton Hwy/ Clarrie Hermes Dr/ Kuringa Dr	0	0	3	3	1	1	76	
Fairbairn Av/ Majura Pkwy Ramps (east)	0	0	3	3	2	3	54	
Goldstein Cr/ Isabella Dr/ Kellett St	0	0	3	3	1	1	54	
Hindmarsh Dr/ Dalrymple St/ Mugga Ln	0	0	3	3	0	2	46	
Battye St/ Haydon Dr	0	0	3	3	1	2	45	
Drakeford Dr/ O'halloran Cct/ Summerland Cct (south)	0	0	3	3	1	1	45	2011/12 BS Program
Cooyong St/ Mort St	0	0	3	3	3	3	42	2008/09 BS Program
Elouera St/ Gould St/ Northbourne Av	0	0	3	3	1	2	38	

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Eggleston Cr/ Hindmarsh Dr	0	0	3	3	1	1	35	New Signals 2017
Bindubi St/William Hovell Dr	0	0	3	3	1	3	35	
Newcastle St/ Whyalla St	0	0	3	3	2	2	34	
Belconnen Way/ Springvale Dr	0	0	3	3	2	3	32	2010/11 BS Program
Athllon Dr/ Don Dunstan Dr/ Scollay St	0	0	3	3	0	0	29	2017/18 BS Program
Reed St/ Scollay St (south)	0	0	3	3	1	2	28	
Callam St/ Corinna St	0	0	3	3	3	3	24	
Iron Knob St/ Newcastle St	0	0	3	3	1	2	24	
National Cct/ Sydney Av	0	0	3	3	1	3	22	
Dominion Cct/ Hobart Av/ Tasmania Cir	0	0	3	3	1	3	20	
Masson St/ Mccaughey St	0	0	3	3	2	2	19	
Hobart Av/ National Cct	0	0	3	3	2	3	18	
Athllon Dr/ Beasley St (south)	0	0	3	3	0	0	18	
Arthur Cir/ Monaro Cr/ Tasmania Cir	0	0	3	3	1	2	17	
Athllon Dr/ Fincham Cr	0	0	3	3	1	1	17	
Cowper St/ Dickson Pl	0	0	3	3	0	0	17	
Hibberson St/ Hinder St	0	0	3	3	0	2	16	Capital Metro
Haydon Dr/ University Dr	0	0	3	3	2	3	15	
Chisholm St/ Donaldson St/ Limestone Av	0	0	3	3	2	2	15	
Belconnen Way/ Chewings St	0	0	3	3	1	3	15	
Boldrewood St/ David St/ Miller St	0	0	3	3	1	2	15	
Mcmillan Cr/Sturt Av	0	0	3	3	1	1	15	
Coulter Dr/ Lachlan St	0	0	3	3	1	2	14	
Barton Hwy/ Ellenborough St Link	0	0	3	3	3	3	13	
Farrell Pl/ Marcus Clarke St	0	0	3	3	1	2	13	
Hindmarsh Dr/ Tyagarah St	0	0	3	3	0	1	12	Investigated BS 2013 & 2017
Barr Smith Av/ Drakeford Dr	0	0	3	3	1	3	11	
Batman St/ Gooreen St	0	0	3	3	2	2	11	
Callam St/ Launceston St	0	0	3	3	2	2	11	
Canberra Av/ Whyalla St	0	0	3	3	1	1	11	
Namatjira Dr/ Parkinson St	0	0	3	3	2	3	10	
Mawson Dr/ Wilkins St	0	0	3	3	1	1	9	
Daley Cr/ Tillyard Dr (south)	0	0	3	3	2	2	6	

	Casualty Crashes In 5 Years				Casualty Crashes In 2 Yrs.	Casualty Crashes In 3 Yrs.	Total Crashes In 5 Yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Condamine St/ Forbes St	0	0	3	3	1	1	6	
King George Tce/ Langton Cr	0	0	3	3	1	2	4	

Total of 202 intersections

Midblock Crashes

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Brindabella Road (Cotter Rd - Jim Bradley Cr (south))	0	5	8	13	4	6	25	2008/09 BS Program
Tuggeranong Parkway (Lady Denman Dr to Tuggeranong Pkwy southbound Ramp – Tuggeranong Pkwy to Cotter Rd southbound Ramp)	0	1	12	13	5	8	153	Investigated BS 2013
Monaro Highway (Johnson Dr - Old Cooma Rd)	1	2	7	10	3	4	37	
Monaro Highway (Hindmarsh Dr to Monaro Hwy southbound Ramp – David Warren Rd)	0	1	9	10	3	7	90	
Paddys River Road (Laurel Camp Rd – Discovery Dr)	1	4	3	8	3	6	24	2009/10 BS Program
Cotter Road (Picnic Ln - Mt Stromlo Rd)	1	2	5	8	2	4	22	2008/09 BS Program
Tuggeranong Parkway (Hindmarsh Dr to Tuggeranong Pkwy southbound Ramp – Drakeford Dr/ Sulwood Dr)	0	2	6	8	3	3	92	
Belconnen Way (Bindubi St/ Eastern Valley Way – Haydon Dr)	0	2	6	8	2	4	79	

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Tuggeranong Parkway (Cotter Rd to Tuggeranong Pkwy southbound Ramp - Tuggeranong Pkwy to Hindmarsh Dr southbound Ramp)	0	0	8	8	6	7	142	Proposed For Investigation
Pialligo Avenue (Scherger Dr - Air Disaster Rd)	0	3	4	7	2	5	48	
Monaro Highway (David Warren Rd – Lanyon Dr)	0	1	6	7	2	5	72	
Challis Street (Morphett St - Cape St/ Dickson Bus Station Access)	0	0	7	7	2	6	23	
Belconnen Way (Benjamin Way – Bindubi St / Eastern Valley Way)	1	1	4	6	2	4	51	
Bindubi Street (William Hovell Dr – Bandjalong Cr/ Lyttleton Cr)	1	0	5	6	3	3	33	
Tidbinbilla Road (Point Hut Rd – Corin Rd)	1	0	5	6	1	3	15	
Parkes Way (Anzac Pde – Parkes Way to Kings Ave eastbound Ramp)	0	2	4	6	5	5	56	
Black Mountain Drive (Clunies Ross St - Black Mountain Dr)	0	2	4	6	2	5	14	
William Hovell Drive (Drake Brockman Dr/ Kingsford Smith Dr - Coppins Crossing Rd)	0	1	5	6	2	3	83	2008/09 BS Program
Belconnen Way (Gungahlin Ramps West – Barry Dr)	0	1	5	6	3	4	43	
Newcastle Street (Molonglo Mall/ Wollongong St – Collie St)	0	1	5	6	2	2	24	
Barry Drive (Belconnen Way – Frith Rd northbound Ramp)	0	1	5	6	1	3	23	
Corin Road (Corin Rd- Corin Rd) (4.459km)	0	1	5	6	4	5	7	
Barton Highway (Bellenden St - Gundaroo Dr/ William Slim Dr)	0	0	6	6	0	1	43	
Isabella Drive (Benham St –Goldstein Cr/ Kellett St)	1	1	3	5	1	1	18	
Lady Denman Drive (Garryowen Dr – Lady Denman Dr)	1	1	3	5	2	4	10	
Mount Ainslie Drive (Fairbairn Av - Mount Ainslie Dr)	0	3	2	5	4	5	20	

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Horse Park Drive (Horse Park to Federal Hwy northbound Ramp- Well Station Dr)	0	2	3	5	2	3	82	
Monaro Highway (Lanyon Dr – Sheppard St)	0	2	3	5	1	1	49	
Athllon Drive (Sulwood Dr - Beasley St)	0	2	3	5	2	2	29	2008/09 BS Program
Hindmarsh Drive (Tamar St – Tyagarah St)	0	1	4	5	0	2	60	
Northbourne Avenue (Alinga St - Bunda St/ Rudd St)	0	1	4	5	1	2	59	
Brindabella Road (Blue Range Rd – Brindabella Rd)	0	1	4	5	2	2	7	
Parkes Way (Glenloch Interchange – Parkes Way to Lady Denman Dr westbound Ramp)	0	0	5	5	2	5	61	2011/12 CW Program
Northbourne Avenue (Elouera St / Gould St - Girrahween St/ Masson St)	0	0	5	5	3	3	40	
Commonwealth Avenue (Albert St - Corkhill St)	0	0	5	5	1	3	30	
Horse Park Drive (Mapleton Av/Dugong Way - Anthony Rolfe Av/Gecko Way)	0	0	5	5	1	3	25	
Monaro Highway (Royalla Dr – Williamsdale Rd)	3	0	1	4	1	1	15	
Monaro Highway (Isabella Dr - Old Tuggeranong Rd)	1	0	3	4	0	2	36	
Point Hut Road (Freshford Rd - Jim Pike Av)	0	4	0	4	3	3	19	
Parkes Way (Clunies Ross St to Parkes Way eastbound Ramp – Edinburgh Av/ Lawson Cr Ramps (west))	0	3	1	4	1	1	89	2007/08 BS Program
Barry Drive (Clunies Ross St/ - Boldrewood St)	0	2	2	4	0	1	13	
Hindmarsh Drive (Launceston St - Hindmarsh Dr/ Tuggeranong Pkwy Ramps east)	0	1	3	4	2	2	96	
Northbourne Avenue (Macarthur Av/ Wakefield Av – Morphett St)	0	1	3	4	1	2	67	
Lonsdale Street (Elouera St – Cooyong St)	0	1	3	4	4	4	62	
Majura Parkway (Fairbairn Av to Majura Pkwy northbound Ramp - Majura Pkwy/ Tambreet St Ramps (south))	0	1	3	4	0	2	21	

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Cotter Road (Brindabella Rd – Picnic Ln)	0	1	3	4	2	2	11	
Tuggeranong Parkway (Cotter Rd to Tuggeranong Pkwy northbound Ramp - Tuggeranong Pkwy to Cotter Rd northbound Ramp)	0	0	4	4	0	1	83	Proposed For Investigation
Monaro Highway (Mugga Ln – Isabella Dr)	0	0	4	4	2	3	66	
Gungahlin Drive (Barton Hwy to Gungahlin Dr eastbound Ramp – Sandford St)	0	0	4	4	1	1	58	
Emu Bank (Benjamin Way -Soundy Cl (north))	0	0	4	4	0	2	38	
Hindmarsh Drive (Canberra Av/ Newcastle St – Hindmarsh Dr/Monaro Hwy Ramps (east))	0	0	4	4	2	3	37	
Kuringa Drive (Kingsford Smith Dr – Tillyard Dr)	0	0	4	4	1	2	29	2007/08 BS Program
Clarrie Hermes Drive (Barton Hwy/ Kuringa Dr – Kelleway Av)	0	0	4	4	2	2	25	
Adelaide Avenue (Hopetoun Cct to Adelaide Av westbound Ramp – Adelaide Av to Kent St westbound Ramp)	0	0	4	4	2	3	22	
Majura Parkway (Majura Pkwy/ Tambreet St Ramps (north) –Majura Rd)	0	0	4	4	3	4	13	
Long Gully Road (Erindale Dr/ Yamba Dr –Mugga Ln)	1	0	2	3	2	3	22	
Ginninderra Drive (Kingsford Smith Dr-Companion Cr)	1	0	2	3	1	1	14	
Mirrabei Drive (Paul Coe Av/ Shoalhaven Av – Wanganeen Av)	0	2	1	3	2	2	10	
Erindale Drive (Harricks St/Taverner St–Judkins St)	1	1	1	3	1	2	7	
Caswell Drive (Glenloch Interchange – Belconnen Way to Caswell Dr southbound Ramp)	0	1	2	3	1	2	60	
Northbourne Avenue (Condamine St/ Ipima St - Macarthur Av/ Wakefield Av)	0	1	2	3	1	1	57	
Canberra Avenue (Mildura St - Monaro Hwy to Canberra Av northbound Ramp)	0	1	2	3	1	1	30	

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Flemington Road (Epic Access Rd – Randwick Rd)	0	1	2	3	0	1	29	
Commonwealth Avenue (Queen Victoria Tce – Kaye St)	0	1	2	3	2	3	23	
Eastlake Parade (Giles St –Eyre St)	0	1	2	3	1	2	10	
Cotter Road (Yarralumla Woolshed Rd – Mcculloch St)	0	1	2	3	1	2	9	
Gundaroo Drive (Gungahlin Dr – Ginn St/ Nari St)	0	0	3	3	1	1	110	
Commonwealth Avenue (Flynn Dr to Commonwealth Ave northbound Ramp – Albert St)	0	0	3	3	1	1	109	
William Hovell Drive (Coulter Dr – Bindubi St)	0	0	3	3	0	1	77	
Federal Highway (Barton Hwy/ Northbourne Ave - Phillip Ave)	0	0	3	3	0	1	61	
Kings Avenue (Wendouree Dr –Kings Av/ Parkes Way Ramps (west))	0	0	3	3	2	3	58	
Gungahlin Drive (Barton Hwy to Gungahlin Dr northbound Ramp – Gungahlin Dr to Barton Hwy westbound Ramp)	0	0	3	3	2	3	48	
Canberra Avenue (Tom Price St – Woods Ln)	0	0	3	3	1	2	43	
Tuggeranong Parkway (Forest Dr to Tuggeranong Pkwy northbound Ramp – Tuggeranong Pkwy to Forest Dr northbound Ramp)	0	0	3	3	1	1	39	
Canberra Avenue (Hindmarsh Dr/ Newcastle St - Tom Price St)	0	0	3	3	2	3	37	
Glenloch Interchange Link 3 (near exit to Tuggeranong Pkwy)	0	0	3	3	1	2	36	
Hindmarsh Drive (Eggleston St – Launceston St)	0	0	3	3	1	2	31	
Monaro Highway (Sheppard St – Tralee St)	0	0	3	3	2	3	25	
Majura Avenue (Cowper St - Limestone Av/ Wakefield Av)	0	0	3	3	1	2	23	
Coppins Crossing Road (William Hovell Dr – Uriarra Rd)	0	0	3	3	0	1	23	

Midblock	Casualty Crashes in 5 Years				Casualty Crashes in 2 yrs.	Casualty Crashes in 3 yrs.	Total Crashes in 5 yrs.	Comments
	Fatal Crashes	Serious Injury Crashes	Minor Injury Crashes	Total Casualty Crashes				
Tuggeranong Parkway (Tuggeranong Pkwy to Lady Denman southbound Ramp –Forest Dr to Tuggeranong Pkwy northbound Ramp)	0	0	3	3	1	2	21	
Morshead Drive (Staff Cadet Av – Menindee Dr/ Russell Dr)	0	0	3	3	1	2	21	
Drakeford Drive (Barr Smith Av - Athllon Dr/ Isabella Dr)	0	0	3	3	0	1	21	
Coulter Drive (Redfern St/ Springvale Dr - William Hovell Dr)	0	0	3	3	0	1	18	
Adelaide Avenue (National Cct - Empire Cct)	0	0	3	3	3	3	17	
Constitution Avenue (Allara St – Coranderrk St)	0	0	3	3	2	3	14	
Gungahlin Drive (Amagula Av/ Lexcen Av – Kelleway Av/ Wanganeen Av)	0	0	3	3	1	2	11	
Majura Avenue (Hawdon St – Davenport St)	0	0	3	3	0	1	9	
Condamine Street (Bent St – Mccaughey St)	0	0	3	3	1	2	7	

Total of 89 mid-blocks