

ACT ROAD SAFETY ADVISORY BOARD TERM REPORT 2015-2018

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THIS REPORT PROVIDES AN OVERVIEW OF THE ACTIVITIES PERFORMED BY THE ROAD SAFETY ADVISORY BOARD IN ITS INAUGURAL THREE YEAR TERM.

The ACT Road Safety Advisory Board is responsible for advising the Minister for Road Safety on road safety issues and providing recommendations on the distribution of funds from the Road Safety Fund. The Road Safety Fund replaced the NRMA-ACT Road Safety Trust in light of additional Compulsory Third Party (CTP) insurers entering the ACT CTP market.

The ACT Road Safety Fund was established to fund projects and initiatives related to road safety research and education and road trauma prevention in support of the Government's road safety strategy.

The inaugural members of the Board were appointed by the Minister for Justice and served on the Board from 2015 to 2018. The Board was comprised of the following membership:

- > Chair Deputy Director-General for the Justice and Community Safety Directorate
- > CTP Insurer representative Naomi Graham, Senior Manager of Personal Injury and Road Safety for IAG Limited
- > CTP Insurer representative Surayez Rahman, Manager CTP performance for the ACT for AAI Limited
- > **Road Safety Expert** Station Sergeant Susan Ball, Officer-in-Charge of ACT Policing Traffic Operations, later replaced by Superintendent Corey Heldon.
- > Road Safety Expert Eric Chalmers, Kidsafe ACT CEO and Chair of the ACT & Region Chapter of the Australasian College of Road Safety
- > Road user representative Dr Roderick Katz, road safety and active travel consultant
- > Road user representative Ms Jennifer Woods, President of Motorcycle Riders Association ACT
- > **Road user representative** Mr Ron Collins, Corporate Affairs and Regional Policy Specialist for NRMA Motoring and Services

Thank you to the below people who also contributed over the term:

- > Road Safety Expert Sgt Ken Hedges
- > CTP Insurer (IAG Limited) Kate Hopman
- > CTP Insurer (IAG Limited) Naomi Quinn

GRANT PROGRAMS - 2016

The first round of community grants was established in 2016 with 37 applications received and \$251,955 was allocated across the following nine projects / initiatives:

Road safety and cycling program for children with additional needs - Completed

(Cyclabilities) Grant of \$60,000 - 1 July 2016 until 30 June 2017

Cyclabilities is a holistic multidisciplinary therapy-based road safety and learn to cycle program for children with disabilities. The program offers a unique, individualised, student centred model. Cyclabilities supports children with additional needs to develop skills allowing them to aspire to life opportunities that might otherwise be out of reach. Cyclabilities provides participants with road safety skills through a social and communal experience. Therapy based cycling training provides participants with skill development, strength and conditioning and development of balance.

The Road Safety Fund provided a grant to Cyclabilities to develop and evaluate a pilot project, which has since been completed. The program was piloted with ten participants from October to December in 2016, and focused on road safety, cycling and strength and conditioning. Several key learning modules were identified and developed into manuals to support the instruction provided within the program. The project has also included the development of several additional resources to support the sustainability and ongoing implementation. Specifically, this has included: a social media profile; a series of program visuals; several social stories; and several instructional videos.

A Cyclabilities website has been developed bringing together the resources developed.









Junior School Road Safety - Completed

(Chapman Primary School Parents & Citizens Association) Grant of \$15,000 - 1 July 2016 until 30 June 2017

The Junior School Road Safety program delivered a pedestrian and cyclist road safety education program including:

- > creation of a mock road track and purchase of children's road signs on the school's playground to be used to educate students about road safety;
- > purchase of 20 bicycles and 10 scooters for use on the track and a bicycle storage shed;
- > delivery of road and bicycle safety teaching programs as per ACT Walk and Ride to School recommendations, including visits from Kenny Koala; and
- > Education of whole school community about the benefits of Ride and Walk to School program and importance of school zone road safety. This education will consist of school assembly presentations and distribution of ACT road safety materials.







Events Traffic Control Training Program - Completed

(Transport Canberra and City Services) Grant of \$16,445 - 1 June 2016 until 30 June 2017

This project developed a nationally accredited training program covering traffic control at community events in the ACT. The training program is available for delivery by registered training organisations.

The training assists community organisations to ensure suitable traffic arrangements are in place for events that are undertaken on public roads.

The program was delivered at least twice a year and is recognised in New South Wales by Roads and Maritime Services.



Street Smart Seniors - Completed

(Council on the Ageing - ACT (COTA)) Grant of \$92,600 - 1 July 2016 until 30 June 2018

This project ran over two years, to review, update and deliver an existing Street Smart Seniors program providing local and practical information to older drivers on: driver safety, pedestrian safety, planning for successful transition from driver to non-driver and alternative transport options.

Funded activities included:

- > The development, delivery and promotion of a training package in consultation with community networks and road safety organisations
- > The training package includes a 'train the trainer' component and public training sessions
- > Numerous public training sessions delivered annually

In the first 12 months, six street smart sessions were presented to 126 participants. Eight additional sessions were scheduled for the second 12 month period with more than 230 participants completing the course.



Kings Highway Road Safety Campaign - Completed

(Eurobodalla Shire Council) Grant of \$12,210 - 1 July 2016 until 30 June 2017

The project involved delivery of a road safety public awareness campaign to ACT and local region drivers travelling on the Kings Highway.

The objective of the campaign was to educate and influence ACT and local road users to slow down, take breaks and drive to the conditions, with the overall goal to reduce the number of road crashes and associated road trauma on the Kings Highway.

The advertising included a large roadside/bridge banner along the Kings Highway, print advertising in several stops along the highway including Braidwood Bakery and petrol stations and online advertising.

The public awareness campaign was supported by both NSW and ACT Policing operations and enforcement.



Example of bridge banner

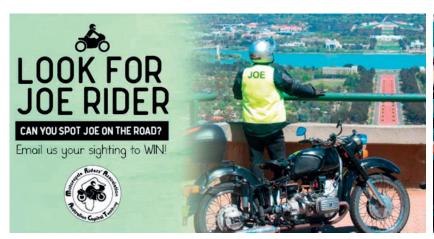
The results from the project were positive with no serious crashes however, there was still a high number of speeding offences.

Joe Rider - Completed

(Motorcycle Riders Association - ACT) Grant of \$20,000 - 10 June 2016 until 30 June 2018

The 'Joe Rider' campaign runs annually during Motorcycle Awareness Week and aims to raise drivers' awareness of motorcycle visibility on the road. During the Campaign the Motorcycle Riders Association asks around 40 – 50 riders, to ride around Canberra, at all times of the day including early morning and in the evening, being visible in their brightly coloured 'JOE' vests.

The campaign is intended to be a fun awareness raising activity where those who spot 'JOE', go into the draw to win a small prize.





Speed Detection Signs in Residential Areas

(Transport Canberra and City Services) Grant of \$40,000 - 1 July 2016 until 30 June 2017

This project aims to change driver behaviour by positively reinforcing following the speed limit. Upon approach to the sign your speed is calculated and the sign displays a 'smiley face' if you are at or below the speed limit or the words 'slow down' if you are over the speed limit.





Michael Petterson MLA switched on the first 'smiley face' speed detection sign at Abena Avenue in Crace.

The signs are still being displayed on streets that are known to have speeding problems or have received a high number of complaints from residents. A total of five signs will be rotated through 17 different streets every three months.

Vehicle Road Safety Messaging - Completed

(Australian Federal Police) Grant of \$12,000 - 30 June 2016 until 1 July 2017

This project initiated the design, production and installation of decals (vinyl stickers) on the back window and bumper panels of ACT Policing traffic vehicles. The decals featured images and messaging about road safety and focused on safe driving behaviour.

A social media campaign accompanied the advertising to raise awareness and generate conversations within the community on road safety.

In total 25 vehicles had the decals applied comprising 15 traffic vehicles and 10 patrol vehicles.





Chevron Marking Pilot Project

(Transport Canberra & City Services) Grant of \$40,000 - 1 July 2016 until 30 June 2017

The most common type of crash on ACT roads is the rear end collision. This is attributed to close following or tailgating. In an attempt to reduce this type of collision, Transport Canberra and City Services (TCCS) was provided a road safety grant to engage a consultant to identify locations to trial chevron road markings on arterial roads, and for the development of an education program. Tuggeranong Parkway was identified as an appropriate location for the trial, and implementation is yet to commence.





GRANT PROGRAMS - 2017

The 2017 community grants program received 28 applications and allocated \$313,834.15 across the following seven projects / initiatives.

Identification of road design characteristics associated with unsafe driving

(The University of Melbourne) Grant of \$50,000 - 1 March 2018 until 31 January 2019

This research project will analyse previously collected in-vehicle telematics data to identify areas in the ACT road network where extreme braking and acceleration most frequently occurs.

The study will focus on all intersections and roundabouts in the ACT. These locations will be mapped and classified into groups of similar locations based on the specific characteristics of each intersection. The telematics data recorded in each of these identified areas will be assigned to the corresponding category of roundabout / intersection. The quantified driving behaviour will be used to assess the safety of these intersection and roundabout types.











Safety at roadworks advertising campaign

(Traffic Management Association of Australia) Grant of \$43,000 - 1 December 2017 until 31 December 2018

This project has tailored advertising to suit the ACT to build awareness and understanding of the impact of unsafe driving around roadwork sites on families and the community.

These advertisements have been aired during prime time in the ACT on major television stations to align with campaign and enforcement activities.





https://www.youtube.com/watch?v=uvaDzAXqBEA

Aboriginal & Torres Strait Islander Driver Licensing Pilot Project

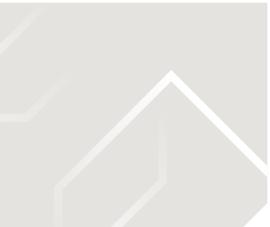
(Aboriginal Legal Service (NSW/ACT) Limited) Grant of \$125,124 - 1 December 2017 until 30 November 2019

The Aboriginal and Torres Strait Islander Driver Licensing Pilot Project is a culturally relevant driver instruction, education and support program designed to increase licensing rates and improve road safety.

Aimed at Aboriginal learner drivers, jobseekers and Aboriginal people in the criminal justice system from the ACT and greater region, this project seeks to reduce licensing inequality and improve road safety through tailored, professional driving lessons and community-based support.

With clear links to the ACT road safety priority areas, the Driver Licensing Pilot Project will contribute to the government's agenda of achieving a safe and inclusive road transport system.





Training for on road transition for novice motorcyclists

(Stay Upright Pty Ltd) Grant of \$50,000 - 1 December 2017 until 31 December 2018

In an effort to reduce road trauma in novice motorcycle riders, Stay Upright will develop training aimed at mentoring new riders to the on-road environment.

Over 80 courses were run over the course of the year to educate more than 450 riders in motorcycle control skill assessment and theory sessions, followed by on road coaching on the ACT road network.





An evaluation of bicycle passing distances in the ACT

(The University of Adelaide, Centre for Automotive Safety Research) Grant of \$57,960 - 1 December 2017 until 31 December 2018

This project involved the redesign and construction of 20 Passing Distance Measurement Devices (PDMD-Mk2). The devices have been attached to 20 suitable bicycles and collected GPS data (location and travel speed) and the lateral distance to all objects that overtake a cyclist while riding in the ACT over a period of four weeks.

Pedal Power assisted in recruiting volunteers for the data gathering stage and Minister Rattenbury attended a fitting session in early May. Another round of data collection commenced in September 2018.

The analysis will investigate compliance with the ACT's minimum overtaking laws and how this changes in various traffic environments or locations – a final report is due in February 2019.





Road Safety Brochures

(Kidsafe ACT Incorporated) Grant of \$30,000 - 1 December 2017 until 31 December 2018

The funding provided will develop a suite of brochures, for distribution online and via social media:

- > Car restraints for newborns
- > Update of existing low-speed run over program brochures
- > Step-by-step cards for restraint fitting
- > Revised fit and check forms for parents
- > Cycling (focused on active health and riding to school)
- > Canberra Parenting and Kidsafe support for families



RYDA road safety education program

(Road Safety Education Limited) Grant of \$25,000 - 1 December 2017 until 31 December 2018

The RYDA road safety education program is an evidence-based workshop that engages with novice drivers and passengers in a series of practical and powerful sessions. RYDA is coordinated through high schools and facilitated by trained facilitators, including local Police.

The program focuses on cognitive development, building and increasing social competency and resilience. Facilitators work with students to develop and practise personalised strategies and life skills to motivate low risk behaviour and respond positively to challenges on the road, both as drivers and highly influential passengers.

This project provided funding to conduct and evaluate four program days (over 2018/19) for approximately 150 Year 11 ACT students per session.



The first RYDA program was delivered on 25 May 2018 with a total of 108 students from Melba Copland Secondary School and Covenant Christian School. The second program was delivered on 23 October 2018 with 170 students attending from Marist College Canberra.

GRANT PROGRAMS - 2018

The final community grants round for the first term of the inaugural Road Safety Advisory Board was in 2018. The Board received 17 applications and allocated \$277,750.01 across the following eight projects / initiatives.

RecReady Vests for use by hearing impaired walkers, runners and cyclists

(Better Hearing Australia Canberra Incorporated) Grant of \$67,690 - 1 October 2018 until 31 August 2020

RecReady is a hi-vis safety vest for recreational walkers, runners and cyclists with a hearing disability. The vest bears the caption 'Caution Hearing Impaired' prominent on the back of the vest. The vest informs carriageway users that the user is hearing impaired and may not hear conventional warnings of cycle bells, rider calls, or whistles.

This project will produce digital content (video and images) to prevent accidents and injury, to raise awareness of the recreational disability issue, and publicise and promote the use of the vest within the target seniors' population and their families.



Online training program to reduce speed

(The University of Queensland) Grant of \$45,410 - 1 October 2018 until 31 November 2019

The University of Queensland has developed an automated online driver training program that is predicted to have the effect of reducing:

- > the proportion of journey time that drivers exceed the posted speed limit (controlling for exposure variables);
- > the magnitude of any speeding; and
- > overall vehicle speed (relative to the posted speed limit).

The University will evaluate this course by measuring drivers' speeds during real everyday driving before, during, and after the course using GPS vehicle tracking technology (relative to a control group).

If the course is found to be effective, it will be offered free to all ACT drivers.





Minimum Passing Distance Mats

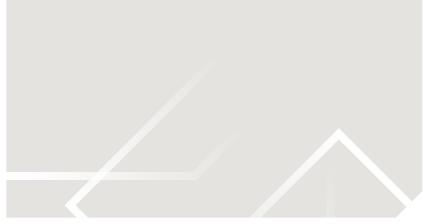
(Pedal Power ACT Inc.) Grant of \$4623 - 1 October 2018 until 1 January 2020

Pedal Power ACT will purchase four "Minimum Passing Distance Mats" to provide a visual demonstration of the 1 metre and 1.5-metre distances that motorists are required to provide while passing people riding bicycles on ACT Roads.

Pedal Power will engage Spectrum Graphics to design the art and graphics for the mats and the display booth and will engage Vivid Advertising to develop the mats and display booth.

The mats will be available to display or to be used in education purposes by community organisations. Pedal Power will use the mats in the New Horizons cycle education program and display the mats at other major community events (the big Canberra Bike Ride, Fitz's Challenge) and promote the mats and their use by other community organisations to local media.





Defensive Cycling

(Pedal Power ACT Inc) Grant of \$43,271 - 1 October 2018 until 1 December 2019

Pedal Power is working with Ascent Training to develop and pilot a four hour defensive cycling course to improve the safety of people who cycle on our city streets. The course will focus on improving cyclists' awareness of the personal and environmental factors which increase the likelihood of accidents and encourage the development of a planned and defensive mindset when cycling on road.

A number of sessions will be held over a four week period, and an evaluation will be conducted at the conclusion of the course to inform the further development of this program. The evaluation will include a pre-course and a post-course survey for participants. A further survey approximately 6 months after completion of the course will measure long term effects of the course on participants' behaviour.



Heavy Vehicle Awareness Online Education Program

(The Trustee for Amy Gillett Foundation Trust) Grant of \$43,182 - 1 October 2018 until 31 December 2019

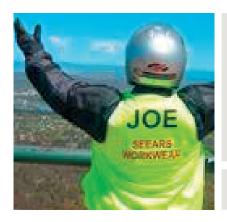
The Amy Gillett Foundation has been funded to develop, deliver and evaluate an online safety program for heavy vehicle drivers in the ACT. The program will educate and test drivers about cyclist-related road rules, the rights and responsibilities of both cyclists and drivers, the principles and methods of sharing the road with cyclists (such as leaving safe distances when passing) and the safety expectations of their employer and other road users.



Motorcycle Awareness Week and 'Joe Rider' Campaign

(Motorcycle Riders Association of the Australian Capital Territory [inc]) Grant of \$7,273 – 1 October 2018 until 1 June 2019

The Motorcycle Rider Association of the Australian Capital Territory (MRA ACT) will prepare radio, online and print advertising to promote the "Joe Rider" Awareness campaign to be run during Motorcycle Awareness week in the ACT.





Learn to Drive Program

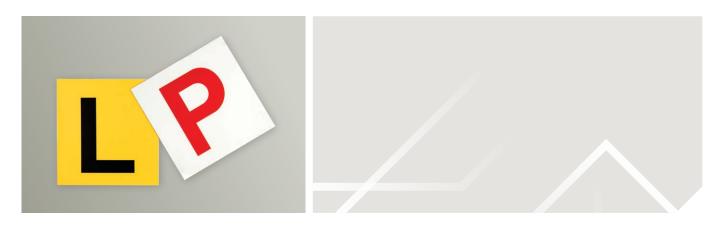
(Migrant and Refugee Settlement Services of the ACT Inc.) Grant of \$47,582 - 1 October 2018 until 30 November 2019

Migrant and Refugee Settlement Services (MARSS) will train two new driving instructors to obtain their qualifications as Accredited Driving Instructors (ADI) in the ACT. Once trained these driving instructors will be employed to provide low cost driving lessons 5 days a week for migrants and refugees.

MARSS will promote the Learn to Drive Program to community leaders, and community members through MARSS's Newsletter and existing digital channels (email distribution and MARSS's website). MARSS' program officer will register clients, assess their need and suitability for participation in the program. A minimum of 80 clients are to be provided with driver education and practical lessons in the 2018/2019 financial year.

MARSS will provide one information session each financial year to provide information sessions to teach clients about registration and insurance requirements associated with car ownership, road safety and basic vehicle mechanics.

Regular surveys will be conducted with clients and driving instructors to evaluate the effectiveness of the project and evaluate the number of 'P' licenses achieved to gauge the success of the project.



Evaluating the impact of age and gender on spatial and temporal distribution of pedestrian crashes

(Royal Melbourne Institute of Technology) Grant of \$18,720 - 1 October 2018 until 1 April 2020

This project will investigate the impact of age and gender on spatial and temporal distributions of vehicle-pedestrian crashes in the ACT. The hotspots and hot-times of pedestrian crashes will be identified and recommendations will be provided to enhance pedestrian safety in the ACT.





STRATEGIC PROJECTS

The ACT Road Safety Board provided funding for strategic projects aimed at enhancing capability of delivering outcomes under the ACT Road Safety Strategy 2011-20.

2016

Australian National Risk Assessment Model (ANRAM)

(Transport Canberra and City Services Directorate) - \$146,000 - 1 October 2017 until 30 September 2018

The Australian National Risk Assessment Model (ANRAM) project will deliver the ACT with improved understanding of the level, type and location of road safety risk on its main road network. The project will identify road safety risks for each road user group (drivers/passengers, motorcyclists and pedestrians) thus contributing to other priority areas for road transport.

ANRAM will provide Transport Canberra and City Services (TCCS) the capability to understand and develop optimised road safety programs and report on the lives and injuries saved for a given level of government investment in road infrastructure improvements.

The project will comprise of three components:

- > Network survey
- > iRAP network risk rating assessment
- > ANRAM analysis and improvement program analysis

The network survey component will utilise digital survey technology to collect high definition video images of the road network at 10m intervals. The survey vehicle, traveling at highway traffic speeds, will provide calibrated high-definition images of the road environment, that are georeferenced, permitting accurate mapping of the survey and subsequent analysis against ACT GIS.

The second component of the project will involve a team of experienced risk assessors utilising the survey data and collating information about the road environment factors that contribute to road safety risk using the iRAP risk rating protocols. *iRAP is a network level risk management assessment process applied in over 70 countries around the world, including leading road safety performing nations in Europe, the UK, US, New Zealand, China, India and across Australia. It is used by road agencies to assist identifying high risk road infrastructure factors that contribute to road safety risk, for establishing benchmark risk performance of road infrastructure networks and communicating areas of risk to road users through its Star Rating maps.*

The iRAP risk rating survey data will be managed via an online software package, ViDA, which will be accessible by Roads ACT personnel. ViDA permits high level strategic analysis and reporting of risk ratings in the form of Star Ratings and key road environment factors contributing to risk.

The third component of the project will develop a detailed, road risk treatment program using the Australian developed ANRAM software. This will include road safety infrastructure improvement programs to address highest infrastructure risk factors within different budget scenarios.



Child restraint checking service

(Kidsafe ACT Incorporated) Grant of \$260,000 - 1 July 2016 until 30 June 2020

This funding provides \$65,000 per annum for four years to support the continuation of subsidised child restraint installation services and free child restraint checking to ACT residents.

The restraint checks are free and no bookings are required. Trained Kidsafe officers check the restraints to ensure they are correctly installed, including:

- > checking for damage, wear and age;
- > adjusting the harness and / or headrest;
- > training parents and other carers in how to use and adjust the restraint.

Trained Kidsafe Officers also provide advice on whether the seat is suitable for the child's age and size, and advice on choosing the best restraint. If the Kidsafe Officer recommends any extra parts or accessories they will explain what the parts and accessories are for and what they cost.

To date Kidsafe have installed 7,500 child restraints and completed 17,500 free checks. Over 65% of the child restraints checked were correctly fitted.









Learn to Ride Centres

(Transport Canberra and City Services) Grant of \$526,905 - 1 November 2016 until 30 June 2017

The ACT Road Safety Action Plan 2016–2020 includes an action item to build cycling training facilities in both Tuggeranong and North Canberra to provide a practical facility for parents, schools and community groups to train children to ride a bicycle.

This strategic project provided funding to design and construct two "learn to ride" bicycle training facilities at Lake Tuggeranong and Lake Ginninderra.



Two Learn to ride centres are now open in Canberra. The first opened in March 2017 in Greenway Park at Lake Tuggeranong (pictured above), with a second opening in June 2017 off MacDermott Place at Lake Ginninderra in Belconnen.

MASTERS Course

(Motorcycle Riders Association of the Australian Capital Territory (INC)) Grant of \$20,000 - 10 June 2016 until 30 June 2018

This strategic project provides funding over three years to improve skills of long-term licensed riders from the ACT and surrounding region only who have not had any formal rider training in the last 15 years, and who are returning to motorcycling after a lengthy break.

The Mature Age Skills Training for Experienced Riders or "M.A.S.T.E.R.S." training is a defensive road skills course initiated by the Motorcycle Riders Association of the ACT, developed and conducted by Stay Upright Rider Training and partially subsidised by the ACT Road Safety Fund.

Riders are individually assessed and given feedback on how to improve their mental and physical control skills, increase confidence and build a systematic and safer approach to riding.





2017

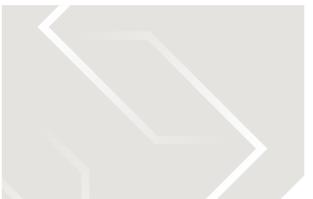
Fitness to Drive Medical Clinic

(ACT Health, Fitness to Drive Medical Clinic) Grant of \$250,000 - 1 December 2017 until 31 December 2018

The Fitness to Drive Medical Clinic (FTDMC) commenced as a specialised traffic medicine clinic in 2014, following a significant and dramatic increase of medically unfit drivers involved in fatal and serious injury crashes. FTDMC is a highly specialised medical clinic with legislated medical reviewers under the Road Transport Act. The FTDMC assesses a person's fitness to drive, based on referrals.

This strategic funding was provided to address the increase in referrals (including to reduce the number of automatic licence suspensions, reduce the current waiting time for assessments, and provide adequate ability to assess urgent and high risk cases).





Safe system performance review

(Australian Road Research Board) Grant of \$180,000

The project is reviewing all ACT Policing and Roads ACT reports of fatal crashes and a sampling of serious injury data over the ten year period 2007-2016, in order to determine which part or parts of the Safe System failed to provide the necessary protection to prevent the crash from resulting in a death.

The performance review will be used to determine how the crash severity and casualty consequences could have been reduced through greater application of the Safe System approach. The project will also include the development of measures which could be applied across the network and included in a future ACT Road Safety Strategy and Action Plan.

The Australian Road Research Board (ARRB) have presented a draft report to JACS, ACT Policing and TCCS, and a final report is due in early 2019.



School Safety Improvements Program

(Transport Canberra and City Services Directorate) Grant of \$50,000 - 7 June 2018 until 31 March 2019

JACS is currently working with TCCS to establish a project to increase awareness of road safety issues around schools in the ACT. This includes work being undertaken at the Canberra Grammar School.

The Canberra Grammar School has two children's crossings at the school, one near the junior school and one near the senior school. The crossing near the junior campus is located on Alexander Street Red Hill, which becomes very congested during the morning and afternoon peak periods.

The school crossing currently leads to a nature strip without a footpath. Given this, children and parents are reluctant to use the crossing and cross at various points along Alexander Street. The people who do use the crossing generally then walk along the road (rather than in the dirt) to access the side streets, which is creating a potential safety risk, particularly for children.

Community consultation was undertaken in 2018 about the installation of a footpath at Canberra Grammar. A number of issues were raised and are currently being addressed by TCCS. TCCS and Canberra Grammar plan to undertake further consultation in 2019, so the path can be constructed to improve safety for pedestrians.







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