



ACT
Government

Transport Canberra and
City Services

FREEDOM OF INFORMATION COVERSHEET

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

FOI reference: TCCSFOI 21-006

In ormation to be published	Status
1. Access application	Published
2. Decision notice and schedule	Published
3. Documents	Published
4. Additional information identified	n/a
5. Fees	n/a
6. Processing time (in working days)	32 days
7. Decision made by Ombudsman	n/a
8. Additional information identified by Ombudsman	n/a
9. Decision made by ACAT	n/a
10. Additional information identified by ACAT	n/a



ACT
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and City Services

Freedom of Information – Access Application Form

Privacy notice

The personal information you supply on this form will only be used for the purpose of processing your request. Your application must include an email or postal address to which the respondent can send notices under the *Freedom of Information Act 2016* (the Act). If all or some of this information is not collected, Transport Canberra and City Services may not be able to communicate with you, inhibiting their obligations under the Act. This could mean the request cannot be dealt with. Your personal information will not be disclosed to a third party without your consent unless statutory obligations require otherwise.

The Transport Canberra and City Services Privacy Policy contains information on how you can access or seek to correct any of your personal information that is held by the Transport Canberra and City Services, as well as the process for lodging a complaint about an alleged breach of the *Information Privacy Act 2014*. The Privacy Policy can be found at www.cityservices.act.gov.au.

Applicant details

I wish to make an access application to Transport Canberra and City Services under the *Freedom of Information Act 2016*.

Name	[REDACTED]
Address (where notices relating to this request can be sent – either postal or electronic)	[REDACTED]
Telephone (Business hours)	[REDACTED]
Telephone (Mobile)	[REDACTED]
Email	[REDACTED]

What documents are you requesting under the Act?

The ACT Government is now operating red light cameras to issue automatic infringements to drivers who enter an intersection after the traffic lights have turned red. These are accompanied by signage to indicate the presence of a camera. I believe that some infringements may have been issued by these cameras before the signage was in place, and if so I think this would be of public interest.

I would like to access documents that detail the installation dates of cameras and related signage, and documents that show the number of infringements issued by cameras where signage had not yet been installed. These may be separate documents detailing the installation and operating dates of cameras and signage, and the number of infringements issued by camera by day.

I would also like to access documents, such as ministerial briefs and related items, which outline the ACT Government's policy on the use of signage to indicate the presence of such cameras.

I believe these documents may be held by different directorates, so I have submitted this request to CMTEDD, TCCS, and JACS.

Fee waver

If you wish to apply for a fee waiver, the Act sets out a number of provisions to do so:

- The information being requested was previously publicly available but no longer is.
- The information being requested is of special benefit to the public (Ombudsman guidelines see Section 66).
- The applicant is a concession card holder and demonstrates a material connection with the information requested (concession cards include a current health care or pensioner card issued under the [Social Security Act 1991](#); a current pensioner concession card issued in relation to a pension under the [Veterans' Entitlements Act 1986](#) or [the Military Rehabilitation and Compensation Act 2004](#); a current gold card; or a card prescribed by regulation).
- The applicant is a not-for-profit organisation and the application relates to the activities or purposes of the organisation.
- The applicant is a member of the Legislative Assembly.

Transport Canberra and City Services must waive any fees for providing information if the information was not publicly available and the agency makes the information publicly available before or within 3 working days after giving it to the applicant.

To apply for a fee waver please complete the following.

I would like to apply for a fee waiver because (state reason/s from the list above). [provide details and evidence of how this reason applies]	
I would like	a copy of these documents sent to the above address

Applicant's signature	Date of request
	26/01/21

Mr [REDACTED]
[REDACTED]@gmail.com

Dear Mr [REDACTED]

Freedom of Information Request - Reference 21-006

I refer to your application for access to government information received by Transport Canberra and City Services (TCCS) on 26 January 2021 under the *Freedom of Information Act 2016* (FOI Act). I note that you clarified the scope of your application on 04 February 2021 and that you are seeking the following government information:

1. *“access to documents that detail the installation dates of cameras and related signage on Northbourne Avenue corridor for the last 12 months; and*
2. *access to the most recent ministerial briefs and related items which outline the ACT Government’s policy on the use of signage to indicate the presence of such cameras”.*

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.

A decision was due by 24 February 2021. Thank you for agreeing to an extension to 12 March 2021.

Decision on access

Part 1

Searches were undertaken for the documents you are seeking. This search included the last 12 months and was extended to include the years 2018 and 2019 as TCCS was aware that works on the Northbourne corridor had been undertaken during this period.

The search identified 18 documents (67 pages) containing information within the scope of your access application. These are outlined in the schedule of documents included at [Attachment A](#).

I have decided to:

- grant full access to one document; and
- grant part access to 17 documents.

I have refused access under section 35(1)(c) of the FOI Act to some of the information that you have requested as it is contrary to the public interest to release.

I have also removed some out of scope information from document referenced number 8. This information relates to other works such as flood modelling and streetlighting.

My access decision is detailed further in the following statement of reasons below.

Part 2

No ministerial briefs have been identified. However, several media releases and a question briefs have been identified. These documents date as far back as 1999.

In accordance with section 17 of the Act, I have considered the public interest in relation to information within the records identified as relevant to your access application.

In this instance, I have not identified any factors favouring non-disclosure, and therefore have decided to release the information to you in full for part 2.

My decision for part 1 and 2 is detailed further in the following statement of reasons.

Statement of Reasons

In making my decision on disclosing government information, I must identify all relevant factors in schedule 2 of the FOI Act and determine, on balance, where the public interest lies. In reaching my access decision, I have taken the following into account:

Factors favouring disclosure in the public interest (Schedule 2, Section 2.1)

- Section 2.1(a)(i) - promote open discussion of public affairs and enhance the government's accountability;
- Section 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;
- Section 2.1(a) (xi) - reveal environmental or health risks or measures relating to public health and safety; and
- Section 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, Section 2.2)

- Section 2.2 (a)(ii) – prejudice the protection of an individual's right to privacy or any other right under the *Human Rights Act 2004*; and
- Section 2.2 (a)(iii) - prejudice the security, law enforcement or public safety

As an Information Officer, I must decide where, on balance, public interest lies. As part of this process I must consider factors favouring disclosure and non-disclosure.

I consider that it is in the public interest to release most of this information. These documents inform the community about road safety and the design and location of red-light cameras.

Personal Privacy

The factors I considered relevant in relation to favouring non-disclosure is where information might prejudice the protection of an individual's right to privacy. I have decided that names of third parties should not be released because the release could identify an individual and would prejudice their right to privacy under the *Human Rights Act 2004*.

I am satisfied that the factors in favour of release can still be met while protecting the personal information of individuals involved. I find the protection of this information outweighs disclosure.

Public Safety

I have examined the drawings for any the location of underground infrastructure. Such infrastructure may fall under National legislation related to the identification of critical infrastructure and protection from acts of terrorism.

Disclosure of this information may prejudice the security of infrastructure and potentially expose it to acts of vandalism. In this instance, I have found no infrastructure in the drawings that could prejudice security or public safety.

Charges

No fee applies as the number of pages being released is in 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. Your original access application, my decision and documents will be published in the TCCS disclosure log from 3 days after the date of this decision.

Your personal contact details will not be published. You may view the TCCS' disclosure log at http://www.tccs.act.gov.au/about-us/freedom_of_information.

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
Level 4, 1 Moore Street
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



Cherie Hughes
Information Officer

11 March 2021

FREEDOM OF INFORMATION REQUEST SCHEDULE

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.tccs.act.gov.au/about-us/freedom_of_information/disclosure-log

File number		WHAT ARE THE PARAMETERS OF THE REQUEST				
FOI – 21-006		Red light Camera signage policy and installation on Northbourne Corridor				
Ref No	No of Folios	Description	Date	Status	Reason for non-release or deferral	Open Access release status
Part 1 – 18 Documents – 67 pages						
1	1-3	General Correspondence - Out of hours #202 1 - Antill Street Slip Lane Red Light Camera Conduit Install	7/11/2018	Partial access	Information Privacy Act 2014 Schedule 2, Section 2.2 (a)(ii) Prejudice the Protection of an Individual's Right to Privacy	Documents to be published
2	4	Out of Hours #202.1 - NOTICE - Northbourne Avenue Slip Lane into Antill Street 27 - 30 July 2018	27/07/2018	Full access	N/A	
3	5-11	Approved - Out of Hours Plan No 273 - Antill St and Northbourne Avenue – Construction of footing for red light traffic camera	18/11/2018	Partial access	Information Privacy Act 2014 Schedule 2, Section 2.2 (a)(ii) Prejudice the Protection of an Individual's Right to Privacy	
4	12-19	Approved - Out of Hours Works Plan No 202_1 - Northbourne Avenue at Antill intersection – Red Light Camera Conduit Install	19/11/2018	Partial access	Information Privacy Act 2014 Schedule 2, Section 2.2 (a)(ii)	

					Prejudice the Protection of an Individual's Right to Privacy
5	20	Red Light Camera signage drawing - 02-ACM-DRW-CIV-LI-4152 Signed	5/6/2019	Partial access	Information Privacy Act 2014 Schedule 2, Section 2.2 (a)(ii) Prejudice the Protection of an Individual's Right to Privacy
6	21	Signage Schedule	13/6/2019	Partial access	Information Privacy Act 2014 Schedule 2, Section 2.2 (a)(ii) Prejudice the Protection of an Individual's Right to Privacy
7	23-25	Contract Communication - Barry Cooyong - red light speed camera conduits_1	28/6/2019	Partial access	Information Privacy Act 2014 Schedule 2, Section 2.2 (a)(ii) Prejudice the Protection of an Individual's Right to Privacy
8	26-27	General Correspondence - Returned Asset Meeting - Minutes	29/06/2019	Partial access Out of scope information redacted	Information Privacy Act 2014 Schedule 2, Section 2.2 (a)(ii) Prejudice the Protection of an Individual's Right to Privacy
9	28-33	Approved - Out of Hours Workds Plan No 323 – Northbourne Avenue – Antill Street and Mouat Street intersection – Cabling	16/07/2019	Partial access	Information Privacy Act 2014 Schedule 2, Section 2.2 (a)(ii) Prejudice the Protection of an Individual's Right to Privacy
10	34-45	Antill/Mouat Red Light/Speed Camera - no signage detailed_1	30/07/2019	Partial access	Information Privacy Act 2014 Schedule 2, Section 2.2 (a)(ii) Prejudice the Protection of an Individual's Right to Privacy

11	46-48	Email with 1 attachment - Subject- Red lights Cameras - Antill and Barry	05/09/2019	Partial access	Information Privacy Act 2014 Schedule 2, Section 2.2 (a)(ii) Prejudice the Protection of an Individual's Right to Privacy
12	49-52	Attachment 1 to email Red lights Cameras - Subject - Set 14 red light safety camera	12/092019	Partial access	Information Privacy Act 2014 Schedule 2, Section 2.2 (a)(ii) Prejudice the Protection of an Individual's Right to Privacy
13	53-55	Response to RFI – South Block 10 Southbound Signage Sightline Issues	17/10/2019	Partial access	Information Privacy Act 2014 Schedule 2, Section 2.2 (a)(ii) Prejudice the Protection of an Individual's Right to Privacy
14	56-57	Contract Communication - Out of Hours #328_1 - Northbourne Ave - Barry Drive Cooyong St Red Light Camera Works 18-19 Nov for review and approval	11/11/2019	Partial access	Information Privacy Act 2014 Schedule 2, Section 2.2 (a)(ii) Prejudice the Protection of an Individual's Right to Privacy
15	58-64	Approval - Out of Hours Plan No 328 - Barry Cooyong & Northbourne - Red Light Camera Works	18/11/2019	Partial access	Information Privacy Act 2014 Schedule 2, Section 2.2 (a)(ii) Prejudice the Protection of an Individual's Right to Privacy
16	65	20200518 -Status - 02-ACM-DRW-CIV-LI-4152_[WAE]	18/05/2020	Partial access	Information Privacy Act 2014 Schedule 2, Section 2.2 (a)(ii) Prejudice the Protection of an Individual's Right to Privacy
17	66	20200828 - Status - 02-ACM-DRW-CIV-LI-5153_[WAE]	28/08/2020	Partial access	Information Privacy Act 2014 Schedule 2, Section 2.2 (a)(ii)

					Prejudice the Protection of an Individual's Right to Privacy	
18	67	20200930 - Status - 02-ACM-DRW-CIV-LI-4151_[WAE]	30/09/2020	Partial access	Information Privacy Act 2014 Schedule 2, Section 2.2 (a)(ii) Prejudice the Protection of an Individual's Right to Privacy	
Part 2 - 6 documents – 7 pages						
1	1	Notice - created on 11 June 2003 - Red light cameras in the ACT 190x276	11 June 2003	Full access	N/A	Documents to be published
2	2	Media Release - New red light cameras start tomorrow 18-2-02	18 March 2002	Full access	N/A	
3	3	Media Release - MORE RED LIGHT & SPEED CAMERAS START SHORTLY	11 March 2002	Full access	N/A	
4	4-5	Media Release - Red light cameras start 18 December 2000	06/12/2000	Full access	N/A	
5	6	Speed and Light Cameras – Questions brief Jan 00	27/01/2000	Full access	N/A	
6	7	Media Release - Speed Camera Pamphlets in your mail box this week	27/09/1999	Full access	N/A	

MAIL TYPE
General Correspondence

MAIL NUMBER
CMA LR-GCOR-005390

REFERENCE NUMBER
CMC-GCOR-011457

Out of Hours #202.1 Antill Street Slip Lane red light camera conduit install 27-30 July - Approval

From Mr Nick Bryant - Transport Canberra Light Rail

To [REDACTED] - Canberra Metro Construction

Cc (9) [REDACTED] - Canberra Metro
[REDACTED] - Canberra Metro Construction
[REDACTED] - Canberra Metro Construction
[REDACTED] - Canberra Metro Construction
[REDACTED] - Canberra Metro Construction
[REDACTED] - Canberra Metro Construction
[REDACTED] - Canberra Metro Construction

Mr Luke Jansen - Transport Canberra Light Rail
Nicole Mahony - Transport Canberra Light Rail
Ms Iona Halliday - Transport Canberra Light Rail

Sent Thursday, 19 July 2018

DETAILS

Area 02 South Corridor

Discipline CTY Community

MESSAGE

Hello [REDACTED]

Please find attached the approved OoH#202.1 covering extension to time required to install the red light camera on the southbound lane of Northbourne Avenue at Antill Street.

The OoH works are permitted with the following conditions:

- A signed copy of this approved OoH must be on site during the works and available upon request;
- Adherence to the conditions of endorsed TTMP 6207 covering these works;
- Distribution of Territory approved notification (attached);
- Saw cutting and or similar very noisy works to be conducted early in the evening to reduce impacts;
- Territory must be informed immediately Should the timing or nature of the works change;
- Adherence to all statutory and approval conditions.

Thank you

Nick

From: [REDACTED]
Sent: 18/07/2018 5:07:00 PM AEST (GMT +10:00)
To: Nick Bryant
Cc: [REDACTED], Iona Halliday, Luke Jansen, Nicole Mahony
Mail Number: CMC-GCOR-011472
Subject: Re: Out of Hours #202.1 Antill Street Slip Lane red light camera conduit install 27-30 July for review and Approval

Area:	02 South Corridor
Discipline:	CTY Community

Hi Nick,
Please find attached the full signed copy.

[REDACTED]
Communications Co-ordinator

E: [REDACTED]@canberra-metro.com.au
330 Northbourne Avenue
Dickson ACT 2602
Mobile: [REDACTED]

Additional project team contact:
E: get-on-board@canberra-metro.com.au

From: N Bryant
Sent: 18/07/2018 10:28:24 AM AEST (GMT +10:00)
To: [REDACTED]
Cc: [REDACTED], Iona Halliday, Luke Jansen, Nicole Mahony
Mail Number: CMA LR-GCOR-005385
Subject: Re: Out of Hours #202.1 Antill Street Slip Lane red light camera conduit install 27-30 July for review and Approval

Area:	02 South Corridor
Discipline:	CTY Community

Hi [REDACTED]
We will require a delegate/s signature before it will be signed off this end.

From: [REDACTED]
Sent: 18/07/2018 10:19:52 AM AEST (GMT +10:00)
To: Nick Bryant
Cc: [REDACTED], Iona Halliday, Luke Jansen, Nicole Mahony
Mail Number: CMC-GCOR-011457

Subject: Out of Hours #202.1 Antill Street Slip Lane red light camera conduit install 27-30 July for review and Approval

Area:	02 South Corridor
Discipline:	CTY Community

Dear Nick,

Please find attached a re-submission of #202 (Now 202.1) of the red light camera install. Also attached is the notice. Please also note that [REDACTED] and [REDACTED] are not on-site today and was unable to sign on this occasion.

Kind regards,

[REDACTED]

[REDACTED]

Communications Co-ordinator

E: [REDACTED]@canberra-metro.com.au

330 Northbourne Avenue

Dickson ACT 2602

Mobile: [REDACTED]

Additional project team contact:

E: get-on-board@canberra-metro.com.au

OUT OF HOURS NOTICE - NORTHBOURNE AVENUE
SLIP LANE (SOUTHBOUND) INTO ANTILL STREET
27 - 30 JULY 2018

Canberra's first stage of Light Rail is progressing and construction is well underway. This is an exciting time in our City and Canberra Metro is working hard to see this vision come to life.

Construction Works:

Previously advertised works to install electrical conduit for a red light camera through the Northbourne Avenue left slip lane into Antill Street has been rescheduled.

The hours of work will be from **8:00pm Friday 27 July to 4:00am Monday 30 July**.

Traffic Management and Detours:

The Mouat and Antill Streets intersection will operate as normal during these works except for vehicles seeking to turn left into Antill Street from Northbourne Avenue. During these works, ALL left turns will need to be made from the left southbound lane.

Traffic management will be in place and highly visible throughout the works, including signage and personnel.

Additional Information:

Due to the nature of the work, some of the activities will be noisy. The project team will limit noise impacts wherever possible by reducing the number of machines operating at the same time and turning off equipment when not in use. Non-tonal reversing beepers will be used* and workers will be instructed to keep noise to a minimum.

Equipment to be used includes: excavator, hydrovac truck, concrete trucks, road compaction plant, asphalt paving equipment and trench rollers.

Thank you for your patience during these important works.

If you have any questions related to works in your local area or the wider project, please contact Canberra Metro:

- **Phone** 1300 208 824
- **Email** cbr.communications@canberra-metro.com.au
- **Web** www.canberra-metro.com.au
- **Facebook or Twitter** Search 'Canberra Metro'
- **To receive construction updates via SMS please text "YES" to** [REDACTED]



Are you Rail Ready?

OVERHEAD WIRE INSTALLATION – The overhead wire is LIVE and carries 750 volts of power. It will cause fatal injuries if touched. Keep away! Download a fact sheet including safety tips.

* Except for elevated work platforms which are required by safety regulations to have tonal beepers.

Out of Hours Works Plan #273

As per SPR4 2.1(c)(ii) applications for Out of Hours Works need to be submitted to the Territory at least three weeks prior to the proposed commencement of those works.

Scope of Out of Hours Works (SPR4 2.1(c)(i) A, B, C, E)

Location (Map at Appendix A)	Block 9 – south corner of Antill Street and Northbourne Avenue (as shown on drawing in Appendix A)		
TTMP	6041		
Times and expected Duration	<p><u>Period:</u> Thursday 15 November with Friday 16 November as contingency. (8:00pm – 6:00am)</p>		
Activities to be Undertaken	<p><u>Primary Activities:</u></p> <ul style="list-style-type: none"> Construction of footing for red light traffic camera 		
Construction Equipment	Vacuum truck, a wheeled excavator, light vehicles, trucks and lighting towers		
Justification for DoHW	Reason	Yes	Comment
	To avoid traffic impacts to a key intersection or transit route	X	
	To minimise impacts to members of the public	X	
	To avoid impacts to a public transport route	X	
	For safety reasons	<input type="checkbox"/>	
	For environmental reasons	<input type="checkbox"/>	
Other (please describe)	<input type="checkbox"/>		

Qualitative Noise and Vibration Assessment

Sensitive Receivers (SPR4 2.1(c)(i) D)

Identified sensitive receivers ¹ (Map at Appendix A)	<ul style="list-style-type: none"> Residents surrounding intersection of Mouat-Antill Streets on Northbourne Avenue
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¹ Sensitive receivers include residential (including hotels and motels etc.), education institutions (schools, child-care centres etc.), places of worship, outdoor recreation areas). Commercial and industrial receivers are not considered sensitive to airborne noise impacts.

Pre-mitigation noise impacts (SPBA 2.11(c)(i) F)

Noise source (Plant or equipment)	Will be used during works?	Noise heard at sensitive receivers			
		Is the noise local, in-situ or relative to other noise in the area?	Does the noise include tones or impulses?	Sound Pressure Level (dBA) or approximately 35m.	Does the noise occur at times that interfere with sleep or comfort?
Commonly used plant/equipment on the project:					
Vac Truck	X	No	Yes	72	Yes
Road Saw	<input type="checkbox"/>	No	Yes	75	Yes
Telehandler	<input type="checkbox"/>	No	Yes	71	Yes
Lighting Towers	X	No	Yes	67	Yes
Light Vehicles	X	No	Yes	58	Yes
MR Trucks	X	No	Yes	71	Yes
Excavator	X	No	Yes	71	Yes
HR Trucks	<input type="checkbox"/>				
Compaction Equipment	<input type="checkbox"/>	No	Yes	68	Yes
Roller	<input type="checkbox"/>	No	Yes	63	Yes
Asphalt paver	<input type="checkbox"/>	No	Yes	63	Yes
Line marking truck	<input type="checkbox"/>				
Tipper truck	<input type="checkbox"/>	No	Yes	61-67	Yes
Concrete Pumps	<input type="checkbox"/>				
Concrete Vibrators	<input type="checkbox"/>				
OTHER [please insert below]					
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				

Mitigation measures (SPP4 2.1(c)(i) f)

Plant will be turned off when not in use.	<input checked="" type="checkbox"/> MANDATORY
Reversing will be minimised and reverse quackers will be used instead of sirens.	<input checked="" type="checkbox"/> MANDATORY
Temporary lighting towers will be directed directly onto the work area.	<input checked="" type="checkbox"/> MANDATORY
If there are multiple complaints, a detailed review of work methodology will be undertaken the following day.	<input checked="" type="checkbox"/> MANDATORY
The coincidence of noisy plant working simultaneously and adjacent to sensitive receivers will be avoided where possible	<input checked="" type="checkbox"/> MANDATORY
Where possible, equipment with directional noise emissions will be orientated away from sensitive receivers.	<input checked="" type="checkbox"/> MANDATORY
Loading and unloading will be carried out away from sensitive receivers, where practicable	<input checked="" type="checkbox"/> MANDATORY
Noise curtains will be installed around lighting towers where possible	<input type="checkbox"/>
Noise curtains will be installed around the operation of noise plant or activities where possible.	<input type="checkbox"/>
The majority of noisy works will be conducted before 11pm where possible.	<input checked="" type="checkbox"/>
OTHER [please insert below]	
Noise monitoring as required	
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>

	No	Yes
Part C - Are the proposed OoHW with implementation of mitigation measures likely exceed the applicable noise goals?	X	<input type="checkbox"/>

Contingencies

In certain circumstances, alternative work methodologies may require consideration during the course of out of hours works. Where alternative work methodologies do not materially change the nature of the impacts (noise, light spill, access etc), and at the discretion of the Site Supervisor, these alternative work methodologies may be used, provided they are documented below:

Alternative work method	Reason	Site Supervisor sign off

Other information

SPR4 2.1(c)(i)G provides for the Territory to reasonably request other information about the out of hours works. If such a request has been made, please detail below.

Date Received	Nature of the Request	Response

Consultation with Affected Receivers and Stakeholders (SPR31 5.2.2)

Please include detail of the communications activities proposed to be undertaken and include a draft copy of the notification (in accordance with SPR31 5.2.2(a)(ix) in Appendix B:

Community notice to be delivered within 250m of work space
 Door knocking will be undertaken as identified
 Social media channels – Facebook/Twitter and website

In addition please answer the following questions:

	No	Yes
Part D - Are the proposed works complex or potentially contentious or work that includes major road closures, disruptions to major events, removal of trees or pollution?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Part E - Has the Territory directed that an issues-specific Communications Action Plan be developed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

If the answer to Part D or Part E is yes then please also complete Appendix

Traffic Management

	No	Yes
Part F - Do the works require any temporary traffic management arrangements?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Part G - (If yes to Part F): Have the works been through the Traffic and Transport Liaison Group (TTLG) submission process?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Part H - (If yes to Part G): Are required Temporary Traffic Management Plans (TTMPs) approved by Roads ACT?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Part I - do the works require major diversions or lane closures that may affect action buses or other ACT stakeholders	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Comments:

Out of Hours Works Approval

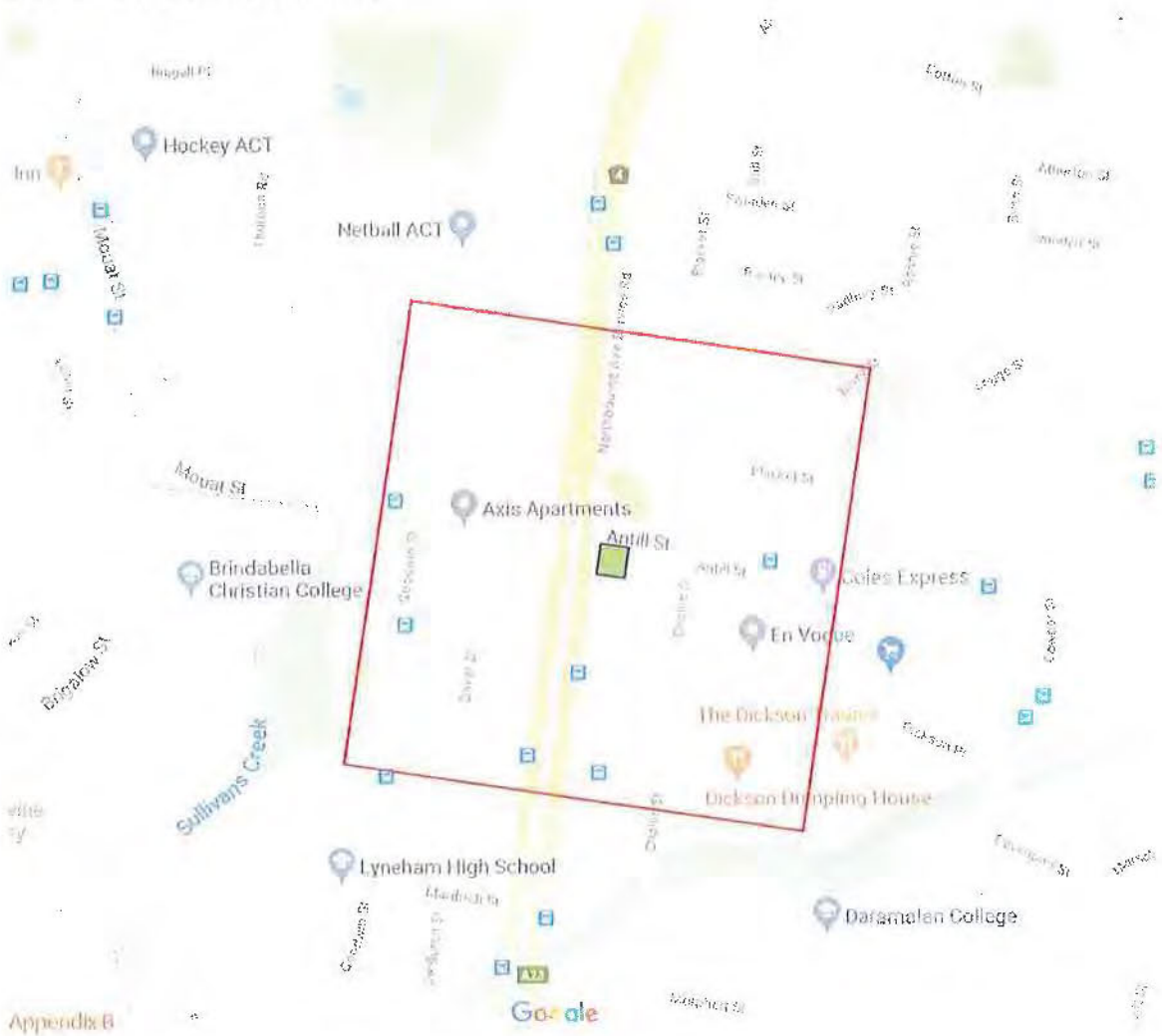
	Approved	Signature	Name	Approval Date
CMC Environment Manager (or delegate)	<input checked="" type="checkbox"/>	[Redacted]	[Redacted]	12/14/18
CMC Construction Manager/Deputy Project Director	<input checked="" type="checkbox"/>	[Redacted]	[Redacted]	12/11/18
CMC Communications and Stakeholder Manager (or delegate)	<input checked="" type="checkbox"/>	[Redacted]	[Redacted]	12/11/18
Territory Representative (or delegate)	<input checked="" type="checkbox"/>	<i>[Handwritten Signature]</i>	<i>Mechan O'Connell</i>	12-11-18

Appendix A

Out of Hours Works location and proposed notification distribution.

Green zone = work footprint

Red zone = 250m affected residents



Appendix B

Appendix A

Out of Hours Works Notice

**OUT OF HOURS NOTICE - NORTHBOURNE AVENUE
INTERSECTION WITH ANTILL STREET
15- 16 NOVEMBER 2018**

Canberra's first stage of Light Rail is progressing and construction is nearing completion. This is an exciting time in our City and Canberra Metro is working hard for Light Rail services to commence.

Construction Works:

Out-of-hours works are required to construct a footing to support a new traffic camera at the southern corner of Antill Street and Northbourne Avenue. Hours of work will be 8:00pm to 6:00am, on Thursday 15 November and, if required, on Friday 16 November.

Traffic Management

There will be no road closures or detours required for these works, however there will be a closure of the left-turn slip lane into Northbourne Avenue from Antill Street. However, vehicles are still permitted to turn left with care. Traffic management will be operational and highly visible throughout the works, including signage and personnel.

Additional Information:

The equipment to be used includes: a vacuum truck, a wheeled excavator, light vehicles, trucks and lighting towers

The project team will ensure the number of machines operating at the same time is limited and equipment turned off when not in use. Non-tonal reversing beepers will be used* and workers will be instructed to keep noise to a minimum.

These works are designed to transform Canberra, making it more accessible and to provide greater commuter connectivity across an integrated public transport network. We appreciate the continued patience of the public and the support of the Canberra community as we carry out these works.

More information can be found by visiting www.canberra-metro.com.au. If you have any questions in relation to works in your local area, please contact Canberra Metro:

- Phone 1300 208 824
 - Email cbr.communications@canberra-metro.com.au
- Web www.canberra-metro.com.au

**Are you Rail Ready?**

Traffic light patterns at intersections along the light rail route are changing as the light rail integrates with the road network. Please stay alert and pay close attention to traffic light signals. Do not run red lights. Please be patient and wait for the green light

* Except for elevated work platforms which are required by safety regulations to have tonal beepers.

Out of Hours Works Plan #202.1

As per SPR4 2.1(c)(ii) applications for Out of Hours Works need to be submitted to the Territory at least three weeks prior to the proposed commencement of those works.

Scope of Out of Hours Works (SPR4 2.1(c)(i) A, B, C, E)

Location (Map at Appendix A)	Left hand truncated turn lane - Northbourne Avenue (southbound) at Antill intersection	
Relevant TTMP/s	TTE18- MET-6207	
Times and expected Duration	Day: Friday 27 July through to Monday 30 July (56hrs) Time: 8:00pm to 6:00am	
Activities to be Undertaken	Primary Activity: Red light camera conduit install	
Construction Equipment	<ul style="list-style-type: none"> - Road saw - Wheeled and tracked excavators with breakers - Heavy Rigid Trucks - Vac truck - Crane Truck - EWP Hand held breakers and tools	
Justification for OoHW	Reason Area for works is in live traffic so must close road. Suggested to do on the weekend to minimise disruption to peak hour traffic to the CBD. Works during normal work hours, critical works that determine programme needing to allow other activities to progress.	Comment

Qualitative Noise and Vibration Assessment

Sensitive Receivers (SPR4 2.1(c)(i) D)

Identified sensitive receivers ¹ (Map at Appendix A)	
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¹ Sensitive receivers include residential (including hotels and motels etc.), education institutions (schools, child-care centres etc.), places of worship, outdoor recreation areas). Commercial and industrial receivers are not considered sensitive to airborne noise impacts.

Pre-mitigation noise impacts (SPR4 2.1(c)(i) F)

Noise heard at sensitive receivers					
Noise source (Plant or equipment)	Will be used during works?	Is the noise (and its absolute levels, or relative to other noises in the area?)	Does the noise include tones or impulses? <i>(Tonal noise commonly has a prominent frequency and single pitch e.g. reversing beepers, alarms, grinding metal, screeching of mechanical plant. Impulse noises are short sharp discrete noise events such as bangs, clicks or thumps.)</i>	Sound Pressure Level, dB(A) at approximately 10m.	Does the noise occur at times that interfere with sleep or comfort?
Commonly used plant/equipment on the project:					
Vac Truck	X	No	No	72	No
Road Saw	X	No	No	75	No
Telehandler	<input type="checkbox"/>	No	No	71	No
Lighting Towers	X	No	Yes	67	No
Light Vehicles	X	No	Yes	58	No
MR Trucks	X	No	Yes	71	No
Excavator	X	No	Yes	71	No
HR Trucks	X				
Compaction Equipment	<input type="checkbox"/>	No	Yes	68	No
Roller	<input type="checkbox"/>	No	Yes	63	No
Asphalt paver	X	No	Yes	63	No
Line marking truck	<input type="checkbox"/>				
Tipper truck	X	No	Yes	61-67	No
Concrete Pumps	<input type="checkbox"/>				
Concrete Vibrators	X				
OTHER [please insert below]					
EWP	X				
Hand held tool	X				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				

Mitigation measures (SPR4 2.1(c)(i) F)

Plant will be turned off when not in use.	<input checked="" type="checkbox"/> MANDATORY
Reversing will be minimised and reverse chockers will be used instead of sirens.	<input checked="" type="checkbox"/> MANDATORY
Temporary lighting towers will be directed directly onto the work area.	<input checked="" type="checkbox"/> MANDATORY
If there are multiple complaints, a detailed review of work methodology will be undertaken the following day.	<input checked="" type="checkbox"/> MANDATORY
The coincidence of noisy plant working simultaneously and adjacent to sensitive receivers will be avoided where possible.	<input checked="" type="checkbox"/> MANDATORY
Where possible, equipment with directional noise emissions will be orientated away from sensitive receivers.	<input checked="" type="checkbox"/> MANDATORY
Loading and unloading will be carried out away from sensitive receivers, where practicable	<input checked="" type="checkbox"/> MANDATORY
Noise curtains will be installed around lighting towers where possible	<input type="checkbox"/>
Noise curtains will be installed around the operation of noise plant or activities where possible.	<input type="checkbox"/>
The majority of noisy works will be conducted before 11pm where possible.	<input checked="" type="checkbox"/>
OTHER [please insert below]	
Noise monitoring as required	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>

	No	Yes
Part C - Are the proposed OoHW with implementation of mitigation measures likely exceed the applicable noise goals?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Contingencies

In certain circumstances, alternative work methodologies may require consideration during the course of out of hours works. Where alternative work methodologies do not materially change the nature of the impacts (noise, light spill, access etc), and at the discretion of the Site Supervisor, these alternative work methodologies may be used, provided they are documented below:

Alternative work method	Reason	Site Supervisor Sign-off
N/A		

Other Information

SPR4 2.1(c)(i)C provides for the Territory to reasonably request other information about the out of hours works. If such a request has been made, please detail below.

Date Received	Nature of the Request	Response

Consultation with Affected Receivers and Stakeholders (SPR31 5.2.2)

Please include detail of the communications activities proposed to be undertaken and include a draft copy of the notification (in accordance with SPR31 5.2.2(a)(ix):

In addition please answer the following questions:

	No	Yes
Part D - Are the proposed works complex or potentially contentious or work that includes major road closures, disruptions to major events, removal of trees or pollution?	X	<input type="checkbox"/>
Part E - Has the Territory directed that an issues-specific Communications Action Plan be developed?	X	<input type="checkbox"/>

Traffic Management

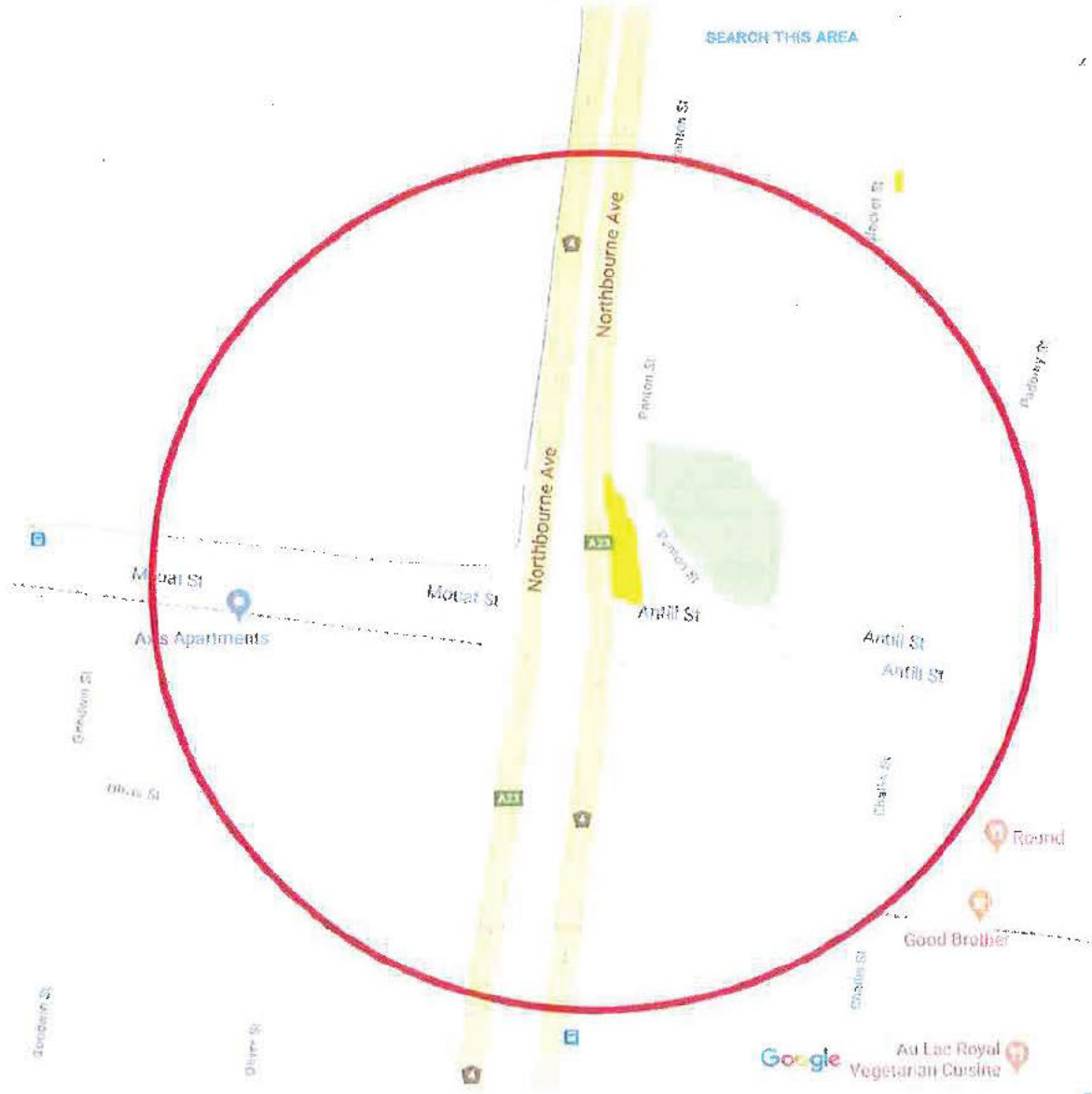
	No	Yes
Part F - Do the works require any temporary traffic management arrangements?	X	<input type="checkbox"/>
Part G - (If yes to Part F): Have the works been through the Traffic and Transport Liaison Group (TTLG) submission process?	X	<input type="checkbox"/>
Part H - (If yes to Part G): Are required Temporary Traffic Management Plans (TTMPs) approved by Roads ACT?	N/A	<input type="checkbox"/>
Part I - do the works require major diversions or lane closures that may affect action buses or other ACT stakeholders	X	<input type="checkbox"/>
Comments:		

Out of Hours Works Approval

	Approved	Signature	Name	Approval Date
CMC Environment Manager (or delegate)	<input checked="" type="checkbox"/>	[Redacted]	[Redacted]	14/07/18
CMC Communications and Stakeholder Manager (or delegate)	<input checked="" type="checkbox"/>	[Redacted]	[Redacted]	18/7/18
CMC Deputy Project Director (or delegate)	<input checked="" type="checkbox"/>	[Redacted]	[Redacted]	18/07/18
Territory Representative (or delegate)	<input checked="" type="checkbox"/>	<i>[Handwritten Signature]</i>	<i>Michael O'Neil</i>	19.7.18

Appendix A

Out of Hours Works location (highlighted in yellow)



Sensitive Receivers



Appendix B

OUT OF HOURS NOTICE - NORTHBOURNE AVENUE SLIP LANE (SOUTHBOUND) INTO ANTILL STREET 27 - 30 JULY 2018

Canberra's first stage of Light Rail is progressing and construction is well underway. This is an exciting time in our City and Canberra Metro is working hard to see this vision come to life.

Construction Works:

Red light camera conduit installation is required in the Northbourne Avenue slip lane into Antill Street.

The hours of work will be from **8:00pm Friday 27 July to 4:00am Monday 30 July**.

Traffic Management and Detours:

The Moutat and Antill Streets intersection will operate as normal during these works except for those vehicles seeking to turn left into Antill Street from Northbourne. The turn in this instance will need to be made from the outside southbound lane only.

Traffic management will be in place and highly visible throughout the works, including signage and personnel.

Additional Information:

Due to the nature of the work, some of the activities will be noisy. The project team will limit noise impacts wherever possible by reducing the number of machines operating at the same time and turning off equipment when not in use. Non-tonal reversing beepers will be used* and workers will be instructed to keep noise to a minimum.

Equipment to be used includes: excavator, hydrovac truck, concrete trucks, road compaction plant, asphalt paving equipment and trench rollers.

Thank you for your patience during these important works.

If you have any questions related to works in your local area or the wider project, please contact Canberra Metro:

- Phone 1300 208 824
- Email cbr.communications@canberra-metro.com.au
- Web www.canberra-metro.com.au
- Facebook or Twitter Search 'Canberra Metro'
- To receive construction updates via SMS please text "YES" to [REDACTED]

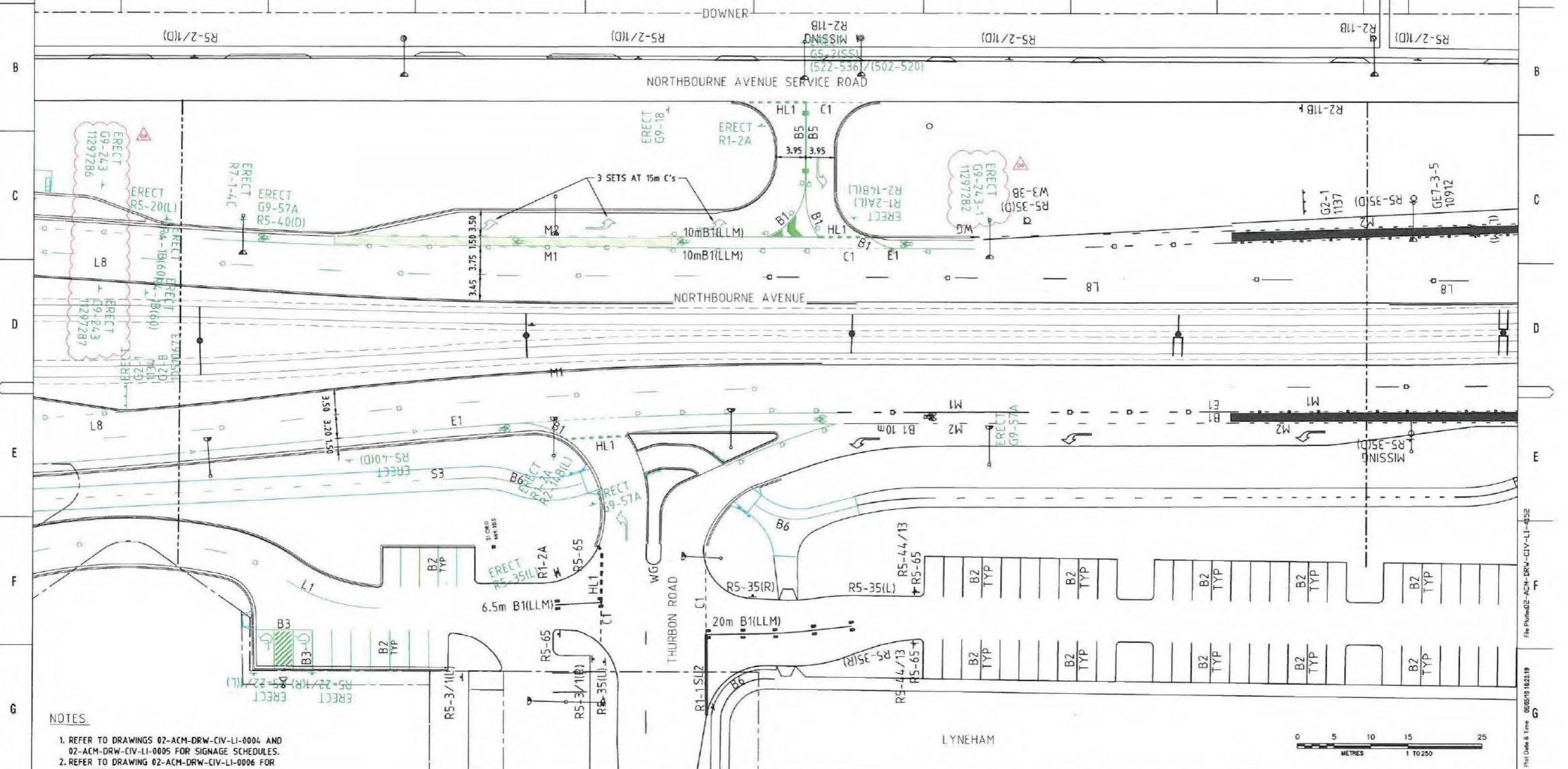


Are you Rail Ready?

OVERHEAD WIRE INSTALLATION – The overhead wire is LIVE and carries 750 volts of power. It will cause fatal injuries if touched. Keep away!
Download a fact sheet including safety tips.

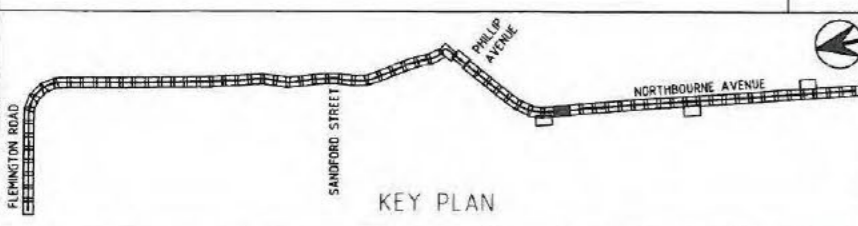
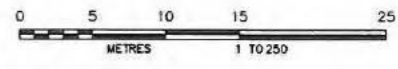
* Except for elevated work platforms which are required by safety regulations to have tonal beepers.

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING APPROVED IN ACCORDANCE WITH ADVISE FROM:	RECEIVED FOR AUTHORIZATION:	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
DATE:	DRAWING NAME	AUTHORISING SIGNATURE:
CONSULTANT NAME	02-ACM-DRW-CIV-LI-4152	DATE:
SIGNATURE:	SCALE:	DOCUMENT NUMBER:
DATE:	1:250	



NOTES

- REFER TO DRAWINGS 02-ACM-DRW-CIV-LI-0004 AND 02-ACM-DRW-CIV-LI-0005 FOR SIGNAGE SCHEDULES.
- REFER TO DRAWING 02-ACM-DRW-CIV-LI-0006 FOR TGS1 DETAILS.



NO	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
04	RED LIGHT SPEED CAMERA SIGNS - CMC-RR-004117	DZ 05.06.19	CG 05.06.19	JP 05.06.19
03	P36 ROADS COMMENTS - CMC-DCRGST-000101	AA 06.02.18	AJ 06.02.18	JP 05.02.18
02	RAIL SYSTEMS AND VARIOUS UPDATES - CMC-DCRGST-000039	PA 27.09.17	AJ 27.09.17	JP 05.02.18
01	TACTILE GROUND SURFACE INDICATORS - CMC-DCRGST-000027	RW 23.05.17	AJ 30.05.17	JP 30.05.17

CO-ORDINATE SYSTEM: STROMILO HEIGHT DATUM: AHD SCALE: 1:250



DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

This drawing is confidential and shall only be used for the purpose of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the AECOM quality assurance system to ISO 9001:2000.

DRAWN	[Signature]	26.07.16
DESIGNED	[Signature]	15.07.16
DRG CHECK	[Signature]	15.08.16
DESIGN CHECK	[Signature]	17.08.16
APPROVED	[Signature]	18.08.16

CANBERRA METRO
CIVIL TRAFFIC CONTROL DEVICES SIGNS AND LINEMARKING

FILE No. SHEET: 52 OF 75 A1
STATUS: IFC
DRG No. 02-ACM-DRW-CIV-LI-4152 04 EDMS No.

Plot Date & Time 06/05/19 16:23:19 File Path: 02-ACM-DRW-CIV-LI-4152

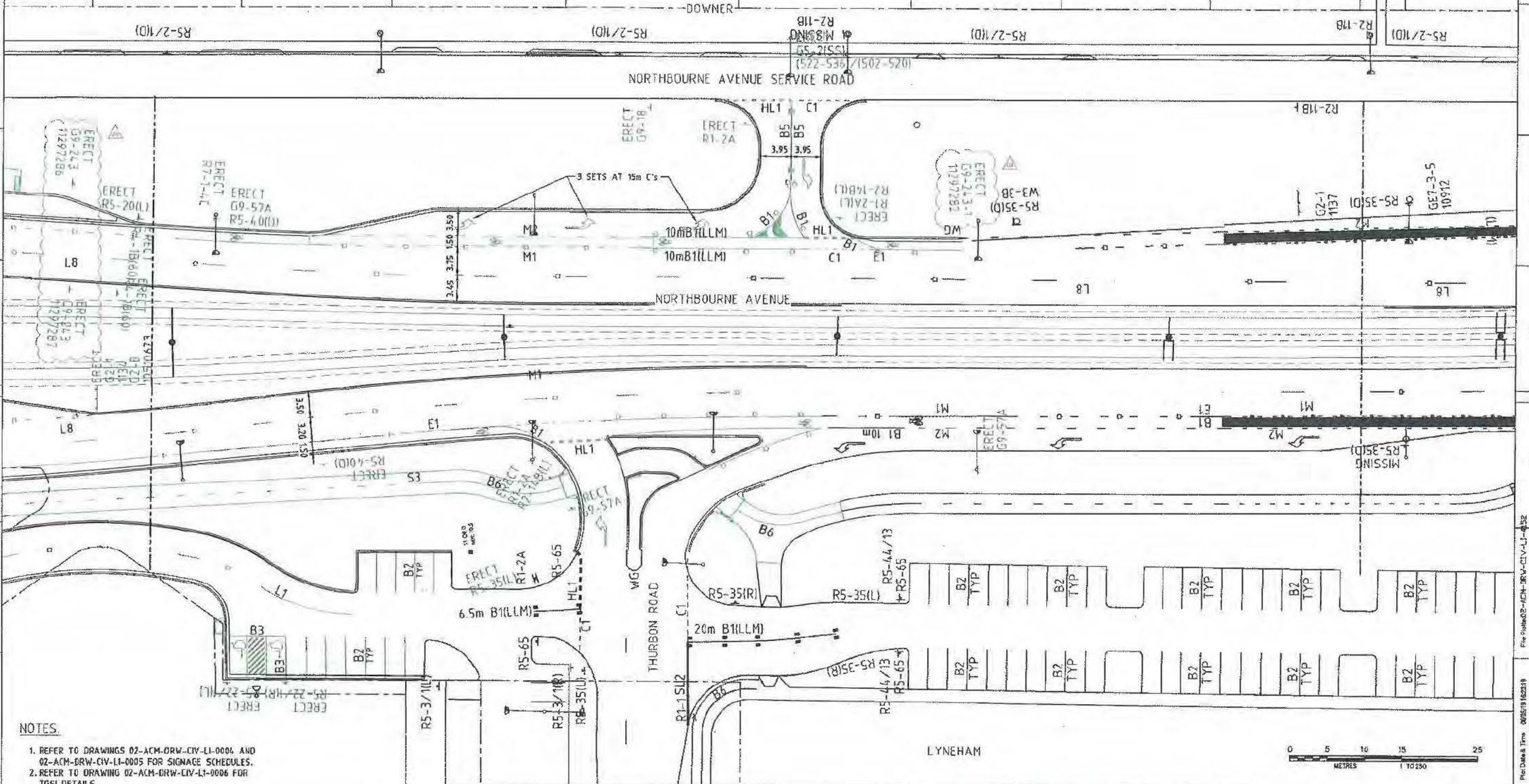
SIGNAGE SCHEDULE - ERECT						
SHEET	SIGN CODE	DESCRIPTION	HAND	SIZE	No. OF	ACTION
4142	R4-1	SPEED RESTRICTION 70km	-	B	2	ERECT
4142	G6-16	FORM 2 LANES	-	D	1	ERECT
4142	R5-40	NO PARKING	D	-	2	ERECT
4142	G7-6-1	EPC PARKING STRAIGHT (#10838)	-	A	1	ERECT
4143	R5-20	BUS ZONE	R	-	1	ERECT
4143	R5-20	BUS ZONE	L	-	1	ERECT
4143	RS-4167	NO PARKING / LIGHT RAIL AND ACTION VEHICLES EXCEPTED	L	-	1	ERECT
4143	RS-4167	NO PARKING / LIGHT RAIL AND ACTION VEHICLES EXCEPTED	R	-	1	ERECT
4143	R3-1	PEDESTRIAN CROSSING	-	B	2	ERECT
4143	ACT-R7-V1333	TRAM ONLY	-	-	4	ERECT
4143	R2-15	U-TURN PERMITTED	-	B	2	ERECT
4143	G9-69	BICYCLES CROSS HERE WITH CARE	L	-	1	ERECT
4143	R2-4	NO ENTRY	-	A	1	ERECT
4143	R2-3	KEEP LEFT	L	A	3	ERECT
4143	G2-1	DOWNER/HACKETT SHOPS - PHILLIP AVENUE	-	-	1	ERECT
4143	G2-6	DOWNER/HACKETT SHOPS - PHILLIP AVENUE (#1124)	-	-	1	ERECT
4143	R5-28	BUS ZONE	D	-	1	ERECT
4143	G9-57	WATCH FOR BICYCLES	-	A	1	ERECT
4143	R4-1	SPEED RESTRICTION 70km	-	B	2	ERECT
4143	RS-40	NO PARKING	R	-	1	ERECT
4143	W9-2	PEDESTRIAN CROSSING AHEAD	-	A	1	ERECT
4144	R4-1	SPEED RESTRICTION 70km	-	B	2	ERECT
4144	G2-5	WATSON/HACKETT SHOPS - PHILLIP AVENUE (#1124)	-	-	1	ERECT
4144	G2-104	WATSON/HACKETT SHOPS - PHILLIP AVENUE	-	-	1	ERECT
4144	G3-106	WATSON/HACKETT SHOPS - PHILLIP AVENUE	-	-	1	ERECT
4144	G3-5	RURAL ROAD SIGN - AUSTRALIAN CATHOLIC UNIVERSITY (#1952)	-	-	1	ERECT
4144	G2-5	WATSON/HACKETT SHOPS - PHILLIP AVENUE (#10326)	-	-	1	ERECT
4144	R5-20	BUS ZONE	D	-	1	ERECT
4144	R5-20	BUS ZONE	L	-	1	ERECT
4144	R5-20	BUS ZONE	R	-	1	ERECT
4144	G9-57	WATCH FOR BICYCLES	-	A	1	ERECT
4145	G11-3	TOURIST FEATURE (GOLD CREEK) (#10839)	-	A	1	ERECT
4146	G1-1	NORTHBOURNE AVENUE/BARTON HIGHWAY (#1128)	-	-	1	ERECT
4146	G7-115	SERVICE SERIES	-	-	1	ERECT
4146	G7-182	SERVICE SERIES	-	-	1	ERECT
4146	G3-5	CREMATORIUM CEMETERY (#1079)	-	-	1	ERECT
4147	R4-1	SPEED RESTRICTION 70km	-	B	1	ERECT
4147	G5-14	COMMUNITY FACILITY	R	-	1	ERECT
4147	G9-57	WATCH FOR BICYCLES	-	A	1	ERECT
4147	G11-4	TOURIST FEATURE	-	-	1	ERECT
4147	G2-5	INTERSECTION DIRECTION SERIES - NARROW FORMAT TYPE (#1129)	-	-	1	ERECT
4147	G9	VETERINARY HOSPITAL (#10840)	-	-	1	ERECT
4148	R2-3 (MOD)	KEEP LEFT (MODIFIED)	L	A	1	ERECT
4148	R2-15	U-TURN PERMITTED	-	A	1	ERECT
4148	ACT-R7-V1333	TRAM ONLY	-	-	4	ERECT
4148	ACT-R3-V100	PEDESTRIANS GIVE WAY TO TRAMS	-	-	2	ERECT
4148	R4-1	SPEED RESTRICTION 70km	-	B	2	ERECT
4148	R5-40	NO PARKING	D	-	2	ERECT
4148	R7-1-4	BICYCLE LANE	-	C	1	ERECT
4148	R2-3	KEEP LEFT	L	A	1	ERECT
4148	R2-5	NO U-TURN	-	A	1	ERECT
4148	R2-10	GIVE WAY TO PEDESTRIANS	-	A	1	ERECT
4149	D4-1-1	UNIDIRECTIONAL HAZARD MARKER	-	A	2	ERECT
4149	R4-1	SPEED RESTRICTION 70km	-	C	1	ERECT
4149	G9-57	WATCH FOR BICYCLES	-	A	1	ERECT
4150	AD	AD 0.5 (THOROUGHBRED PARK RACECOURSE)	L	D	1	ERECT
4150	R1-2	GIVE WAY	-	A	2	ERECT

SIGNAGE SCHEDULE - ERECT						
SHEET	SIGN	DESCRIPTION	HAND	SIZE	No. OF	ACTION
4150	G6-2(55)	STREET SIGN (554-552)(540-552)	-	-	1	ERECT
4150	R4-1	SPEED RESTRICTION 80km	-	B	2	ERECT
4150	R4-1	SPEED RESTRICTION 100km	-	C	1	ERECT
4150	R5-20	BUS ZONE	L	-	1	ERECT
4150	R5-20	BUS ZONE	D	-	1	ERECT
4150	G2-3	YOWANI GOLF AND BOWLS (#1052674)	R	-	1	ERECT
4150	G2-1	SWINDEN STREET - DOWNER (#1133)	R	-	1	ERECT
4150	G9-16	NO THROUGH ROAD	-	-	1	ERECT
4150	R5-40	NO PARKING	R	-	2	ERECT
4150	R5-40	NO PARKING	L	-	1	ERECT
4150	R2-14	ALL TRAFFIC TURN LEFT	L	B	1	ERECT
4150	G1-1	ADVANCE DIRECTION TWO PANEL STACK - FEDERAL HIGHWAY BARTON HIGHWAY (#10865)	-	-	1	ERECT
4150	R7-1-4	BICYCLE LANE	-	-	1	ERECT
4150	G1-5	FINGER BOARD SERIES - RURAL ROAD NAME SIGN (YOWANI CLUB #10854)	-	-	1	ERECT
4151	R5-41/67	NO PARKING / LIGHT RAIL AND ACTION VEHICLES EXCEPTED	L	-	1	ERECT
4151	RS-41/67	NO PARKING / LIGHT RAIL AND ACTION VEHICLES EXCEPTED	R	-	1	ERECT
4151	R5-85	PARK IN BAYS ONLY	-	A	1	ERECT
4151	R2-3	KEEP LEFT	L	A	1	ERECT
4151	R2-3 (MOD)	KEEP LEFT (MODIFIED)	L	-	1	ERECT
4151	R5-20	BUS ZONE	L	-	1	ERECT
4151	R5-20	BUS ZONE	R	-	2	ERECT
4151	G2-3	YOWANI GOLF AND BOWLS (#10519673)	L	-	1	ERECT
4151	G1-1	SWINDEN STREET - DOWNER (#1134)	R	-	1	ERECT
4151	G2-3	LYNEHAM SPORTS PRECINCT / YOWANI GOLF AND BOWLS (#10416672)	-	-	1	ERECT
4151	ACT-R7-V1333	TRAM ONLY	-	-	4	ERECT
4151	R5-35	NO STOPPING	L	-	1	ERECT
4151	R5-35	NO STOPPING	R	-	1	ERECT
4151	R2-15	U-TURN PERMITTED	-	A	2	ERECT
4151	R2-6	NO LEFT TURN	L	A	1	ERECT
4151	R6-40	NO PARKING	R	-	1	ERECT
4151	R6-40	NO PARKING	L	-	1	ERECT
4151	R5-21	2 HOUR PARKING 7:30AM-6PM MON-FRI PUBLIC HOLIDAYS EXCEPTED	R	-	1	ERECT
4151	R2-3	KEEP LEFT	L	A	1	ERECT
4151	R1-2	GIVE WAY	-	A	1	ERECT
4151	R5-20	BUS ZONE	D	-	1	ERECT
4151	R4-1	SPEED RESTRICTION 60km	-	B	2	ERECT
4151	R7-1-4	BICYCLE LANE	-	B	1	ERECT
4151	G9-57	WATCH FOR BICYCLES	-	A	1	ERECT
4151	G9-243	RED LIGHT AND SPEED CAMERA AHEAD (#11297258)	-	-	1	ERECT
4151	G9-243	RED LIGHT AND SPEED CAMERA AHEAD (#11297257)	-	-	1	ERECT
4152	RS-35	NO STOPPING	L	-	1	ERECT
4152	RS-35	NO STOPPING	R	-	1	ERECT
4152	R5-22/1	DISABLED PARKING ONLY	L	-	1	ERECT
4152	R5-22/1	DISABLED PARKING ONLY	R	-	1	ERECT
4152	G6-2(55)	STREET SIGN (522-536)(502-520)	-	-	1	ERECT
4152	G9-18	NO THROUGH ROAD	-	-	1	ERECT
4152	G9-27	WATCH FOR BICYCLES	-	A	1	ERECT
4152	R1-2	GIVE WAY	-	SPECIAL	4	ERECT
4152	R5-40	NO PARKING	D	-	2	ERECT
4152	R1-2	GIVE WAY	-	A	3	ERECT
4152	G6-243-1	GEOGRAPHICAL FEATURE SERIES	-	-	1	ERECT
4152	G9-57	WATCH FOR BICYCLES	-	A	1	ERECT
4152	G2-1	CITY CENTRE/ QUEANBEYAN/ COOMAN/DICKSON SHOPS/ BELCONNEN (#1147)	-	-	1	ERECT
4152	R2-14	ALL TRAFFIC TURN LEFT	L	B	2	ERECT
4152	G9-243-1	RED LIGHT AND SPEED CAMERA AHEAD CHECK YOUR SPEED (#11297252)	-	-	1	ERECT
4153	G2-1	AUSTRALIAN INSTITUTE OF SPORT GIO STADIUM (#11077)	-	-	1	ERECT
4153	ACT-R3-V100	PEDESTRIANS GIVE WAY TO TRAMS	-	-	2	ERECT
4153	R2-1	TWO WAY TRAFFIC	-	B	1	ERECT

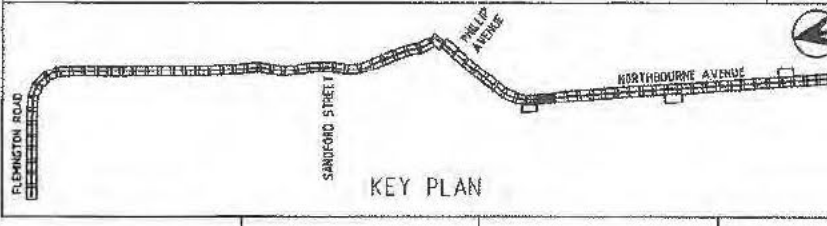
SIGNAGE SCHEDULE - ERECT						
SHEET	SIGN	DESCRIPTION	HAND	SIZE	No. OF	ACTION
5153	G9-16	FORM 2 LANES	-	B	1	ERECT
5154	ACT-R3-V100	PEDESTRIANS GIVE WAY TO TRAMS	-	-	2	ERECT
5154	ACT-R7-V1333	TRAM ONLY	-	-	4	ERECT
5154	R2-3	KEEP LEFT	L	A	2	ERECT
5154	R2-15	U-TURN PERMITTED	-	A	1	ERECT
5154	R2-11	ONE WAY	-	B	1	ERECT
5154	R2-0	NO RIGHT TURN	R	A	1	ERECT
5154	R3-1	PEDESTRIAN CROSSING	-	B	1	ERECT
5154	G5-1(53)	STREET NAME	-	-	3	ERECT
5154	G2-1	ANTILL STREET - DICKSON SHOPS (#1139)	-	-	1	ERECT
5154	RS-35	NO STOPPING	L	-	1	ERECT
5154	R3-1	PEDESTRIAN CROSSING	-	B	1	ERECT
5155	ACT-R3-V100	PEDESTRIANS GIVE WAY TO TRAMS	-	-	4	ERECT
5155	R5-41/67	NO PARKING / LIGHT RAIL AND ACTION VEHICLES EXCEPTED	L	-	1	ERECT
5155	R5-41/67	NO PARKING / LIGHT RAIL AND ACTION VEHICLES EXCEPTED	R	-	1	ERECT
5155	R2-10	U-TURN PERMITTED	-	A	2	ERECT
5155	ACT-R3-V100	PEDESTRIANS GIVE WAY TO TRAMS	-	-	2	ERECT
5155	ACT-R7-V1333	TRAM ONLY	-	-	8	ERECT
5155	R2-6	NO LEFT TURN	L	A	1	ERECT
5155	G2-1	MURDOCH STREET - LYNEHAM (#1140)	-	-	1	ERECT
5155	R2-2	ONE WAY	R	B	1	ERECT
5155	R2-2	ONE WAY	L	B	1	ERECT
5155	R3-1	PEDESTRIAN CROSSING	-	B	1	ERECT
5155	G9-57	WATCH FOR BICYCLES	-	A	1	ERECT
5158	ACT-R3-V100	PEDESTRIANS GIVE WAY TO TRAMS	-	-	2	ERECT
5158	G2-1	MORPHEIT STREET - DICKSON (#1153)	-	-	1	ERECT
5159	ACT-R3-V100	PEDESTRIANS GIVE WAY TO TRAMS	-	-	2	ERECT
5160	ACT-R3-V100	PEDESTRIANS GIVE WAY TO TRAMS	-	-	2	ERECT
5160	G2-1	INTERSECTION DIRECTION SERIES - CHEVRON ENDED (BELCONNEN/CAIS) (#11075)	-	-	1	ERECT
5160	G2-1	INTERSECTION DIRECTION SERIES - CHEVRON ENDED (BELCONNEN/CAIS) (#1158)	-	-	1	ERECT
5160	R2-15	U-TURN PERMITTED	-	B	1	ERECT
5160	ACT-R3-V100	PEDESTRIANS GIVE WAY TO TRAMS	-	-	4	ERECT
5160	ACT-R7-V1333	TRAM ONLY	-	-	4	ERECT
5160	R2-15	U-TURN PERMITTED	-	B	2	ERECT
5160	R3-1	PEDESTRIAN CROSSING	-	B	1	ERECT
5160	R2-3	KEEP LEFT	L	A	2	ERECT
5160	G2-1	GUNGALIN (#10500)	-	-	1	ERECT
5160	G2-1	GUNGALIN (#10550)	-	-	1	ERECT
5160	G2-4	GOULBOURN - CITY CENTRE/ NORTHBOURNE AVENUE (#1159)	-	-	1	ERECT
5160	G2-4	GOULBOURN - CITY CENTRE/ NORTHBOURNE AVENUE (#1166)	-	-	1	ERECT
5160	R5-41/66	NO PARKING / ACTION VEHICLES EXCEPTED	R	-	1	ERECT
5160	R5-41/66	NO PARKING / ACTION VEHICLES EXCEPTED	L	-	1	ERECT
5165	ACT-R3-V100	PEDESTRIANS GIVE WAY TO TRAMS	-	-	2	ERECT
5166	ACT-R3-V100	PEDESTRIANS GIVE WAY TO TRAMS	-	-	4	ERECT
5166	ACT-R7-V1333	TRAM ONLY	-	-	4	ERECT
5166	R2-3	KEEP LEFT	L	A	1	ERECT
5166	R2-3	KEEP LEFT	L	A	1	ERECT
5166	R2-15	U-TURN PERMITTED	-	A	2	ERECT
5166	R3-1	PEDESTRIAN CROSSING	-	A	1	ERECT
5166	G5-1(53)	STREET SIGN	-	-	2	ERECT
5166	R5-41/66	NO PARKING / ACTION VEHICLES EXCEPTED	L	-	1	ERECT
5166	R5-41/66	NO PARKING / ACTION VEHICLES EXCEPTED	R	-	1	ERECT
5167	ACT-R3-V100	PEDESTRIANS GIVE WAY TO TRAMS	-	-	2	ERECT
5168	ACT-R3-V100	PEDESTRIANS GIVE WAY TO TRAMS	-	-	2	ERECT
5168	ACT-R3-V100	PEDESTRIANS GIVE WAY TO TRAMS	-	-	4	ERECT
5168	ACT-R7-V1333	TRAM ONLY	-	-	4	ERECT

SIGNAGE SCHEDULE - ERECT						
SHEET	SIGN	DESCRIPTION	HAND	SIZE	No. OF	ACTION
6160	R2-3	KEEP LEFT	L	A	2	ERECT
6160	G5-1(53)	STREET SIGN	-	-	1	ERECT
6160	G5-1(53)	STREET SIGN	-	-	2	ERECT
6160	R2-15	U-TURN PERMITTED	-	A	1	ERECT
6171	ACT-R3-V100	PEDESTRIANS GIVE WAY TO TRAMS	-	-	4	ERECT
6171	ACT-R7-V1333	TRAM ONLY	-	-	2	ERECT
6171	R2-3	KEEP LEFT	L	A	2	ERECT
6171	R2-10	GIVE WAY TO PEDESTRIANS	-	A	2	ERECT
6171	R2-15	U-TURN PERMITTED	-	A	1	ERECT
6171	RS-41/66	NO PARKING / ACTION VEHICLES EXCEPTED	D	-	1	ERECT
6172	ACT-R3-V100	PEDESTRIANS GIVE WAY TO TRAMS	-	-	2	ERECT
6173	ACT-R3-V100	PEDESTRIANS GIVE WAY TO TRAMS	-	-	4	ERECT
6173	ACT-R7-V1333	TRAM ONLY	-	-	4	ERECT
6173	R2-3	KEEP LEFT	L	A	2	ERECT
6173	R2-15	U-TURN PERMITTED	-	A	2	ERECT
6173	G5-2/1	STREET NAME (72-70)	-	-	1	ERECT
6173	G5-2/1	STREET NAME (7-21)	-	-	1	ERECT
6173	G5-2/1	STREET NAME (22)	-	-	1	ERECT
6173	G9-57	WATCH FOR BICYCLES	-	A	2	ERECT
6173	G1-4	NORTHBOURNE AVENUE (#1130)	-	-	1	ERECT
6173	G2-4	NORTHBOURNE AVENUE (#1167)	-	-	1	ERECT
6174	ACT-R3-V100	PEDESTRIANS GIVE WAY TO TRAMS	-	-	6	ERECT
6174	R2-5	NO RIGHT TURN	R	A	1	ERECT
6174	ACT-R7-V1333	TRAM ONLY	-	-	2	ERECT
6174	RS-41/67	NO PARKING / LIGHT RAIL AND ACTION VEHICLES EXCEPTED	L	-	1	ERECT
6174	RS-41/67	NO PARKING / LIGHT RAIL AND ACTION VEHICLES EXCEPTED	R	-	1	ERECT
6174	R2-3	KEEP LEFT	L	A	2	ERECT
6174	G5-2/1	STREET NAME	-	-	2	ERECT
6174	G5-1(53)	STREET				

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
<small>DRAWING APPROVED BY AECOM IN ACCORDANCE WITH ADVISE FROM:</small> DATE: _____ CONSULTANT: AECOM NAME: _____ SIGNATURE: _____ DATE: _____	<small>APPROVED FOR THE PROJECT BY:</small> DRAWING NAME: 02-ACM-DRW-CIV-LI-4152 DATE: 13/6/2019 SIGNATURE: <i>[Signature]</i> TITLE: _____	<small>APPROVED FOR THE PROJECT BY:</small> SIGNATURE: _____ TITLE: _____



- NOTES**
- REFER TO DRAWINGS 02-ACM-DRW-CIV-LI-0004 AND 02-ACM-DRW-CIV-LI-0005 FOR SIGNAGE SCHEDULES.
 - REFER TO DRAWING 02-ACM-DRW-CIV-LI-0006 FOR TGS1 DETAILS.



NO	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVER INITIAL/DATE
04	RED LIGHT SPEED CAMERA SIGNS - CMC-DP-004117	DZ 05.06.19	CG 05.06.19	JP 05.06.19
03	P36 ROADS COMMENTS - CMC-DCRST-000101	AA 05.02.18	AJ 06.02.18	JP 06.02.18
02	RAIL SYSTEMS AND VARIOUS UPDATES - CMC-DCRST-000039	PA 27.09.17	AJ 27.09.17	JP 27.09.17
01	TACTILE GROUND SURFACE INDICATORS - CMC-DCRST-000027	RW 23.05.17	AJ 30.05.17	JP 30.05.17

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: 1:250



DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

This drawing is confidential and shall only be used for the purpose of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the AECOM quality assurance system to ISO 9001:2000.

DRAWN	26.07.16
DESIGNER	19.07.16
DRG CHECK	16.09.16
DESIGN CHECK	17.09.16
APPROVED	18.09.16

CANBERRA METRO
 CIVIL
**TRAFFIC CONTROL DEVICES
 SIGNS AND LINEMARKING**

FILE No.	SHEET: 52 OF 75	A1
STATUS: IFC		©
DRG NO: 02-ACM-DRW-CIV-LI-4152	04	EDUS No.

MAIL TYPE
Contract Communication

MAIL NUMBER
CMA LR-CCOMM-012124

REFERENCE NUMBER
CMA LR-CCOMM-011765

Re: Barry / Cooyong - red light / speed camera conduits

From Mr Ki Johnson - Transport Canberra Light Rail

To (2) [REDACTED] - Canberra Metro
[REDACTED] - Canberra Metro Construction

Cc (3) [REDACTED] - APP Corporation Pty Ltd
Shelly Fraser - Transport Canberra Light Rail
Mr Ashley Cahif - Transport Canberra Light Rail

Sent Friday, 28 June 2019

DETAILS

Area 00 All Areas

Discipline CON Construction

MESSAGE

[REDACTED]

The Territory would be willing to consider a protection slab so long as there is no impact to landscape (ie the slab does not protrude through the landscape and can be covered by an appropriate depth of mulch) and a protection slab results in AS3000 compliance.

If the above can not be achieved we expected that 2 new conduits at compliant depth for a short length could be accommodated here reasonably easily.

Regards

Ki

Ki Johnson | Senior Design Manager

BEng CPEng NPER MIEAust RPEQ

Transport Canberra Light Rail - ACT Government

T 02 6207 0902 | M [REDACTED] | E Ki.Johnson@act.gov.au

496 Northbourne Avenue Dickson ACT 2602 - GPO Box 158, Canberra ACT 2601

www.transport.act.gov.au

From [REDACTED]
Sent: 24/06/2019 2:24:11 PM AEST (GMT +10:00)
To [REDACTED], Ki Johnson
Cc: [REDACTED], Ashley Cahif, Shelly Fraser

Mail Number: CMC-CCOMM-014396

Subject: Re: Barry / Cooyong - red light / speed camera conduits

Area:	00 All Areas
Discipline:	CON Construction

Ki

With reference to conduit compliance for existing speed camera, CMC position is that any rectification work to achieve compliance is out of scope.

Noting CMC has a closure at Barry / Cooyong between 11 and 16 July to complete our remaining works, CMC will conduct pit and conduit investigate to determine an appropriate fix.

Please confirm if TCCS will accept a concrete protection slab in accordance with AS3000 in lieu of new conduit installation?

Regards

[REDACTED]

From: K Johnson

Sent: 11/06/2019 3:28:38 PM AEST (GMT +10:00)

To: [REDACTED]

Cc: [REDACTED], Ashley Cahif, Shelly Fraser

Mail Number: CMA LR-CCOMM-011987

Subject: Re: Barry / Cooyong - red light / speed camera conduits

Area:	00 All Areas
Discipline:	CON Construction

[REDACTED]

Can you please respond on the issue of the Barry / Cooyong speed red light camera.

Regards

Ki

Ki Johnson | Senior Design Manager

BEng CPEng NPER MIEAust RPEQ

Transport Canberra Light Rail - ACT Government

T 02 6207 0902 | M [REDACTED] | E Ki.Johnson@act.gov.au

496 Northbourne Avenue Dickson ACT 2602 - GPO Box 158, Canberra ACT 2601

www.transport.act.gov.au

From: K Johnson

Sent: 21/05/2019 11:46:27 AM AEST (GMT +10:00)

To: [REDACTED]

Cc: Ashley Cahif, Shelly Fraser

Mail Number: CMA LR-CCOMM-011765

Subject: Barry / Cooyong - red light / speed camera conduits

Area:	00 All Areas
Discipline:	CON Construction

Hi [REDACTED]

CMC has raised an issue regarding existing conduits between the installed traffic signal arrangement and the speed / red light camera and flash facility at Barry / Cooyong intersection - the issue being that the existing retained conduits have insufficient cover. As a result CMC can not re-energise the equipment. This asset is a maintained returned asset.

The Territory requires the camera to be operational so it appears the only option is for the conduits to be replaced. I believe we are talking about replacement of 10m to 15m of conduits, likely 2 ducts between the traffic signal pit and the camera and flash to achieve compliance. Territory expected these works would be required under SPR7 section 1.1(c) and SPR8 section 2.2(b)

Can you please provide CMCs position on this item noting that we need to reach re-energisation and commissioning of the speed / red light camera equipment.

Regards

Ki

Ki Johnson | Senior Design Manager

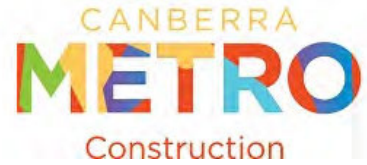
BEng CPEng NPER MIEAust RPEQ

Transport Canberra Light Rail - ACT Government

T 02 6207 0902 | M [REDACTED] | E Ki.Johnson@act.gov.au

496 Northbourne Avenue Dickson ACT 2602 - GPO Box 158, Canberra ACT 2601

www.transport.act.gov.au



MAIL TYPE
General Correspondence

MAIL NUMBER
CMC-GCOR-015670

REFERENCE NUMBER
CMC-GCOR-015670

Returned Asset Meeting - Minutes

From [REDACTED] - Canberra Metro Construction

To (4) [REDACTED] - APP Corporation Pty Ltd
[REDACTED] - Canberra Metro
Shelly Fraser - Transport Canberra Light Rail
Mr John Smart - Transport Canberra Light Rail

Cc (4) [REDACTED] - APP Corporation Pty Ltd
[REDACTED] - Canberra Metro Construction
[REDACTED] - Canberra Metro Construction
Mr Steven Sancbergs - Transport Canberra Light Rail

Sent Friday, 28 June 2019

DETAILS

Area 00 All Areas

Discipline CON Construction

MESSAGE

All

Issues and actions raised during our meeting:

Issue 1 - Flood Modelling

- [REDACTED]
- [REDACTED]
- [REDACTED]

Issue 2 - EvoEnergy Streetlight Outreach

- [REDACTED]
- [REDACTED]
- [REDACTED]

Issue 3 - Speed Camera at Barry

- CMC has work in the vicinity scheduled for 11 July
- TCLR / TCCS to pre-agreed conduit rectification (received)

Issue 4 - Traffic Signal Conduit Verification

- CMC presented Technical Paper last week
- TCCS to provide acceptance

Out of Hours Works Plan #323

As per SPR4 2.1(c)(ii) applications for Out of Hours Works need to be submitted to the Territory at least three weeks prior to the proposed commencement of those works.

Scope of Out of Hours Works (SPR4 2.1(c)(i) A, B, C, E)

Location (Map at Appendix A)	Northbourne Avenue – Antill Street and Mouat Street Intersection - as shown on drawing in Appendix A		
Relevant TTMP/s	Please put correct TTMP number 6121		
Times and expected Duration	Period: Tuesday 23 July – Thursday 25 July 2019 Hours/Days: 11:50 pm – 4:30 am		
Activities to be Undertaken	Main Activity Pull Cable through conduits and allow for electrical connections. Associated works Lane closure and turn off traffic lights.		
Construction Equipment	Equipment to be used Hand tools, generators, light vehicles, trucks, light towers.		
Justification for OoHW	Reason	Yes	Comment
	To avoid traffic impacts to a key intersection or transit route	<input checked="" type="checkbox"/>	
	To minimise impacts to members of the public	<input type="checkbox"/>	
	To avoid impacts to a public transport route	<input type="checkbox"/>	
	For safety reasons	<input checked="" type="checkbox"/>	
	For environmental reasons	<input type="checkbox"/>	
	Other (please describe)	<input type="checkbox"/>	

Qualitative Noise and Vibration Assessment

Sensitive Receivers (SPR4 2.1(c)(i) D)

Identified sensitive receivers ¹ (Map at Appendix A)	<ul style="list-style-type: none"> All nearby residents within 250m
--	--

¹ Sensitive receivers include residential (including hotels and motels etc.), education institutions (schools, child-care centres etc.), places of worship, outdoor recreation areas). Commercial and industrial receivers are not considered sensitive to airborne noise impacts.

Mitigation measures (SPR4 2.1(c)(i) F)

Plant will be turned off when not in use.	<input checked="" type="checkbox"/> MANDATORY
Reversing will be minimised and reverse quackers will be used instead of sirens.	<input checked="" type="checkbox"/> MANDATORY
Temporary lighting towers will be directed directly onto the work area.	<input checked="" type="checkbox"/> MANDATORY
If there are multiple complaints, a detailed review of work methodology will be undertaken the following day.	<input checked="" type="checkbox"/> MANDATORY
The coincidence of noisy plant working simultaneously and adjacent to sensitive receivers will be avoided where possible	<input checked="" type="checkbox"/> MANDATORY
Where possible, equipment with directional noise emissions will be orientated away from sensitive receivers.	<input checked="" type="checkbox"/> MANDATORY
Loading and unloading will be carried out away from sensitive receivers, where practicable	<input checked="" type="checkbox"/> MANDATORY
Noise curtains will be installed around lighting towers where possible	<input checked="" type="checkbox"/>
Noise curtains will be installed around the operation of noise plant or activities where possible.	<input checked="" type="checkbox"/>
The majority of noisy works will be conducted before 11pm where possible.	<input type="checkbox"/>
OTHER [please insert below]	
Noise monitoring as required	
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>

Part C - Are the proposed OoHW with implementation of mitigation measures likely exceed the applicable noise goals?

No	Yes
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Contingencies

In certain circumstances, alternative work methodologies may require consideration during the course of out of hours works. Where alternative work methodologies do not materially change the nature of the impacts (noise, light spill, access etc), and at the discretion of the Site Supervisor, these alternative work methodologies may be used, provided they are documented below:

Alternative work method	Reason	Site Supervisor Sign-off

Other Information

SPR4 2.1(c)(i)G provides for the Territory to reasonably request other information about the out of hours works. If such a request has been made, please detail below.

Date Received	Nature of the Request	Response

Consultation with Affected Receivers and Stakeholders (SPR31 5.2.2)

Please include detail of the communications activities proposed to be undertaken and include a draft copy of the notification (in accordance with SPR31 5.2.2(a)(ix) in Appendix B;

Website

In addition please answer the following questions:

	No	Yes
Part D - Are the proposed works complex or potentially contentious or work that includes major road closures, disruptions to major events, removal of trees or pollution?	X	<input type="checkbox"/>
Part E - Has the Territory directed that an issues-specific Communications Action Plan be developed?	X	<input type="checkbox"/>

If the answer to Part D or Part E is yes then please also complete Appendix

Traffic Management

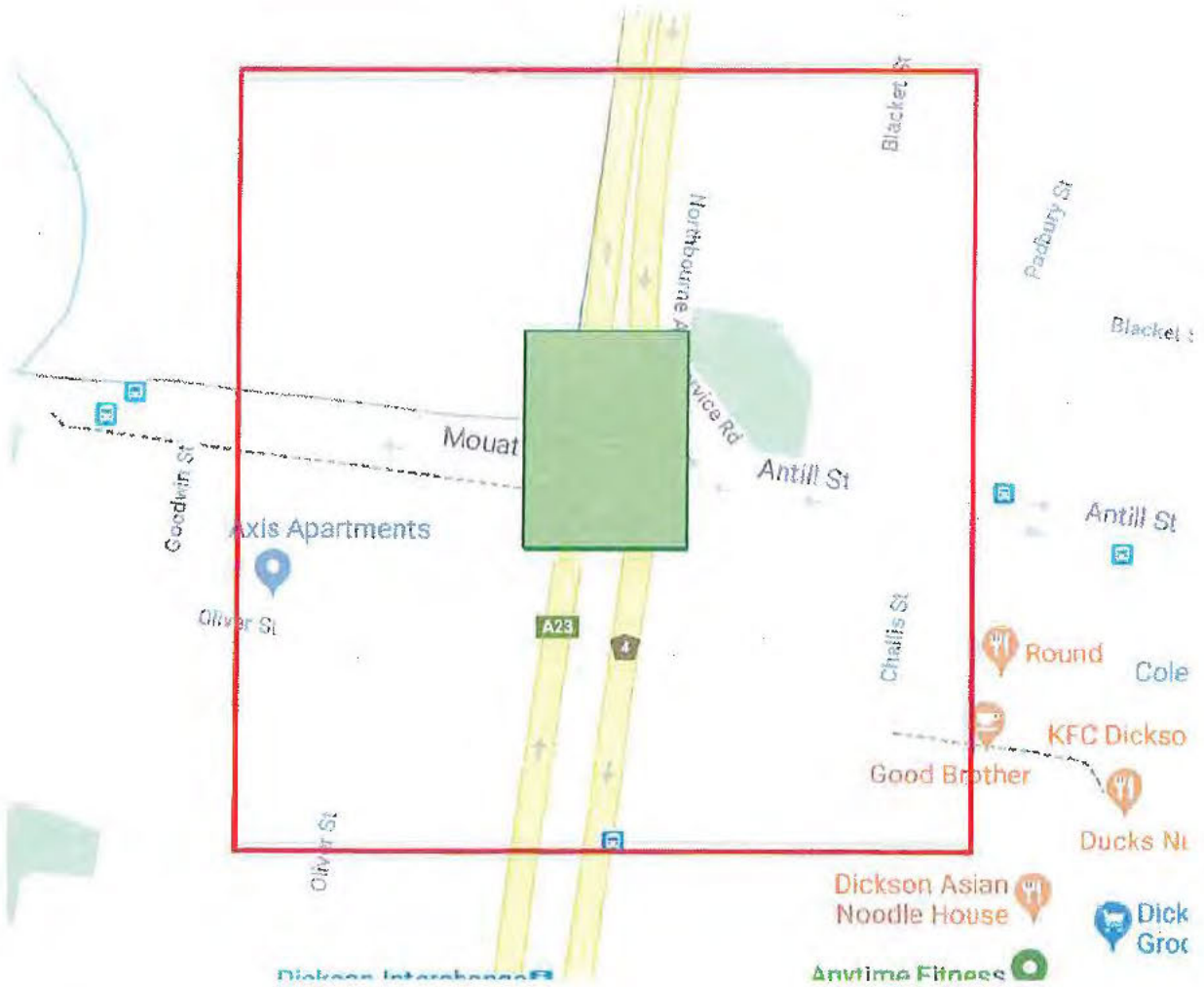
	No	Yes
Part F - Do the works require any temporary traffic management arrangements?	<input type="checkbox"/>	X
Part G - (If yes to Part F): Have the works been through the Traffic and Transport Liaison Group (TTLG) submission process?	<input type="checkbox"/>	X
Part H - (If yes to Part G): Are required Temporary Traffic Management Plans (TTMPs) approved by Roads ACT?	<input type="checkbox"/>	X
Part I - do the works require major diversions or lane closures that may affect action buses or other ACT stakeholders	X	<input type="checkbox"/>
Comments:		

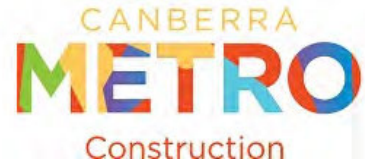
Out of Hours Works Approval

	Approved	Signature	Name	Approval Date
CMC Area Manager	<input checked="" type="checkbox"/>	[Redacted]	[Redacted]	8/7/19
CMC Construction Manager/Deputy Project Director	<input checked="" type="checkbox"/>	[Redacted]	[Redacted]	08/07/19
Territory Representative (or delegate)	<input checked="" type="checkbox"/>	<i>Adley Cole</i>	Adley Cole	16/7/19

Appendix A

Red square is 250m around works
Green square is work footprint





MAIL TYPE
Response to RFI

MAIL NUMBER
CMC-RTRFI-021360

REFERENCE NUMBER
CMC-RFI-004117

Re: Antill/Mouat Red Light/Speed Camera - no signage detailed

From [REDACTED] - Canberra Metro Construction

To (2) [REDACTED] - Aurican Consulting Pty Ltd
Shelly Fraser - Transport Canberra Light Rail

Cc (4) [REDACTED] - APP Corporation Pty Ltd
[REDACTED] - Canberra Metro Construction
Mr John Smart - Transport Canberra Light Rail
Alana Reid - Transport Canberra Light Rail

Sent Tuesday, 30 July 2019

DETAILS

Design Impact Assessment	No Change to Design
Design Package	36 Road Furniture/Signs/Lines - South
Area	02 South Corridor
Discipline	CIV Civil
RFI Type	Design
Design Phase	Post-IFC
Design Impact	Type 3 - Clarification
Time Impact	Yes
Safety Issue	Yes
IFC Design Change Required?	Yes
DCIA Form Attached?	No
NCR Number	No NCR
Reference Document Numbers and Revision	02-ACM-DRW-CIV-LI-4152-03 02-ACM-DRW-CIV-LI-5153-02 02-ACM-DRW-CIV-LI-0004-05

MESSAGE

Hi Shelly

The signs are being made and I've planned for tomorrow if all goes well.

Cheers

From: S Fraser

Sent: 29/07/2019 4:13:14 PM AEST (GMT +10:00)

To: [REDACTED], [REDACTED]

Cc: [REDACTED], [REDACTED], [REDACTED], John Smart

Mail Number: CMA LR-RTRFI-006117

Subject: Fwd: Antill/Mouat Red Light/Speed Camera - no signage detailed

Design Impact Assessment:	No Change to Design
Design Package:	36 Road Furniture/Signs/Lines - South
Area:	02 South Corridor
Discipline:	CIV Civil
RFI Type:	Design
Design Phase:	Post-IFC
Design Impact:	Type 3 - Clarification
Time Impact:	Yes
Safety Issue:	Yes
IFC Design Change Required?:	Yes
DCIA Form Attached?:	No
NCR Number:	No NCR
Reference Document Numbers and Revision:	02-ACM-DRW-CIV-LI-4152-03 02-ACM-DRW-CIV-LI-5153-02 02-ACM-DRW-CIV-LI-0004-05

[REDACTED]
Required signage to be installed prior to commission of the red light camera.
Please confirm when the signage will be installed.

Kind Regards,
Shelly Fraser
Infrastructure Specialist, TCCS

From: S Fraser

Sent: 13/06/2019 2:01:06 PM AEST (GMT +10:00)

To: [REDACTED]

Cc: [REDACTED], [REDACTED], Ki Johnson

Mail Number: CMA LR-RTRFI-005999

Subject: Re: Antill/Mouat Red Light/Speed Camera - no signage detailed

Design Impact Assessment:	No Change to Design
Design Package:	36 Road Furniture/Signs/Lines - South
Area:	02 South Corridor
Discipline:	CIV Civil
RFI Type:	Design
Design Phase:	Post-IFC
Design Impact:	Type 3 - Clarification
Time Impact:	Yes
Safety Issue:	Yes
IFC Design Change Required?:	Yes
DCIA Form Attached?:	No
NCR Number:	No NCR
Reference Document Numbers and Revision:	02-ACM-DRW-CIV-LI-4152-03 02-ACM-DRW-CIV-LI-5153-02 02-ACM-DRW-CIV-LI-0004-05

Hi [REDACTED]

Please find attached the signed authorised Drawings.

Kind Regards,

Shelly Fraser

Infrastructure Specialist, TCCS

[REDACTED]

From: [REDACTED]

Sent: 12/06/2019 10:06:33 AM AEST (GMT +10:00)

To: Shelly Fraser

Cc: [REDACTED], [REDACTED], Ki Johnson

Mail Number: AEC ANZ-RTRFI-005474

Subject: Re: Antill/Mouat Red Light/Speed Camera - no signage detailed

Design Impact Assessment:	No Change to Design
Design Package:	36 Road Furniture/Signs/Lines - South
Area:	02 South Corridor
Discipline:	CIV Civil
RFI Type:	Design
Design Phase:	Post-IFC
Design Impact:	Type 3 - Clarification
Time Impact:	Yes
Safety Issue:	Yes
IFC Design Change Required?:	Yes
DCIA Form Attached?:	No
NCR Number:	No NCR
Reference Document	02-ACM-DRW-CIV-LI-4152-03 02-ACM-DRW-CIV-LI-5153-02 02-ACM-DRW-CIV-LI-0004-05

Numbers and
Revision:

Hi Shelly

Please find attached the signed drawings.

Regards

From: S Fraser
Sent: 11/06/2019 9:42:29 AM AEST (GMT +10:00)
To: [REDACTED]
Cc: Ki Johnson
Mail Number: CMA LR-RTRFI-005987
Subject: Re: Antill/Mouat Red Light/Speed Camera - no signage detailed

Design Impact Assessment:	No Change to Design
Design Package:	36 Road Furniture/Signs/Lines - South
Area:	02 South Corridor
Discipline:	CIV Civil
RFI Type:	Design
Design Phase:	Post-IFC
Design Impact:	Type 3 - Clarification
Time Impact:	Yes
Safety Issue:	Yes
IFC Design Change Required?:	Yes
DCIA Form Attached?:	No
NCR Number:	No NCR
Reference Document Numbers and Revision:	02-ACM-DRW-CIV-LI-4152-03 02-ACM-DRW-CIV-LI-5153-02 02-ACM-DRW-CIV-LI-0004-05

Hi [REDACTED],
Can you please have Aecom authorised person sign the signatory box then I'll pass onto Roads to sign.
Thankyou.
Kind Regards,
Shelly Fraser
Infrastructure Specialist, TCCS

From: [REDACTED]
Sent: 05/06/2019 5:23:14 PM AEST (GMT +10:00)
To: Ki Johnson
Cc: [REDACTED], [REDACTED], [REDACTED], Shelly Fraser
Mail Number: AEC ANZ-RTRFI-005455

Subject: Re: Antill/Mouat Red Light/Speed Camera - no signage detailed

Design Impact Assessment:	No Change to Design
Design Package:	36 Road Furniture/Signs/Lines - South
Area:	02 South Corridor
Discipline:	CIV Civil
RFI Type:	Design
Design Phase:	Post-IFC
Design Impact:	Type 3 - Clarification
Time Impact:	Yes
Safety Issue:	Yes
IFC Design Change Required?:	Yes
DCIA Form Attached?:	No
NCR Number:	No NCR
Reference Document Numbers and Revision:	02-ACM-DRW-CIV-LI-4152-03 02-ACM-DRW-CIV-LI-5153-02 02-ACM-DRW-CIV-LI-0004-05

Hi Ki

Please find attached uprevved drawings as requested for your signature.

Regards

[Redacted]

From: K Johnson
Sent: 29/05/2019 9:19:08 AM AEST (GMT +10:00)
To: [Redacted]
Cc: [Redacted], [Redacted], Shelly Fraser
Mail Number: CMA LR-RTRFI-005969
Subject: Re: Antill/Mouat Red Light/Speed Camera - no signage detailed

Design Impact Assessment:	No Change to Design
Design Package:	36 Road Furniture/Signs/Lines - South
Area:	02 South Corridor
Discipline:	CIV Civil
RFI Type:	Design
Design Phase:	Post-IFC
Design Impact:	Type 3 - Clarification
Time Impact:	Yes
Safety Issue:	Yes
IFC Design Change Required?:	Yes
DCIA Form Attached?:	No
NCR Number:	No NCR
Reference Document Numbers and Revision:	02-ACM-DRW-CIV-LI-4152-03 02-ACM-DRW-CIV-LI-5153-02 02-ACM-DRW-CIV-LI-0004-05

Hi [Redacted]

Thank you for the documentation. Can you please uprev the drawings and include the **statutory approval box** in top LH corner for Roads to sign and reissue.

Thanks

Ki

Ki Johnson | Senior Design Manager

BEng CPEng NPER MIEAust RPEQ

Transport Canberra Light Rail - ACT Government

T 02 6207 0902 | M [REDACTED] E Ki.Johnson@act.gov.au

496 Northbourne Avenue Dickson ACT 2602 - GPO Box 158, Canberra ACT 2601

www.transport.act.gov.au

From: [REDACTED]
Sent: 28/05/2019 3:09:04 PM AEST (GMT +10:00)
To: Ki Johnson
Cc: [REDACTED], [REDACTED], Shelly Fraser
Mail Number: AEC ANZ-RTRFI-005428
Subject: Re: Antill/Mouat Red Light/Speed Camera - no signage detailed

Design Impact Assessment:	No Change to Design
Design Package:	36 Road Furniture/Signs/Lines - South
Area:	02 South Corridor
Discipline:	CIV Civil
RFI Type:	Design
Design Phase:	Post-IFC
Design Impact:	Type 3 - Clarification
Time Impact:	Yes
Safety Issue:	Yes
IFC Design Change Required?:	Yes
DCIA Form Attached?:	No
NCR Number:	No NCR
Reference Document Numbers and Revision:	02-ACM-DRW-CIV-LI-4152-03 02-ACM-DRW-CIV-LI-5153-02 02-ACM-DRW-CIV-LI-0004-05

Hi Ki

Please find attached sketch showing the location of each sign and sign numbers. Also please find attached sign design and associated Inventory Forms.

Regards

[REDACTED]

From: K Johnson
Sent: 24/05/2019 9:29:51 AM AEST (GMT +10:00)
To: [REDACTED]
Cc: [REDACTED], Shelly Fraser

Mail Number: CMA LR-RTRFI-005959

Subject: Re: Antill/Mouat Red Light/Speed Camera - no signage detailed

Design Impact Assessment:	No Change to Design
Design Package:	36 Road Furniture/Signs/Lines - South
Area:	02 South Corridor
Discipline:	CIV Civil
RFI Type:	Design
Design Phase:	Post-IFC
Design Impact:	Type 3 - Clarification
Time Impact:	Yes
Safety Issue:	Yes
IFC Design Change Required?:	Yes
DCIA Form Attached?:	No
NCR Number:	No NCR
Reference Document Numbers and Revision:	02-ACM-DRW-CIV-LI-4152-03 02-ACM-DRW-CIV-LI-5153-02 02-ACM-DRW-CIV-LI-0004-05

Hi [REDACTED]

Yes, please proceed to design the concept included in the sketch provided;

- Gated first warning
- Verge only second warning

Cheers

Ki

Ki Johnson | Senior Design Manager

BEng CPEng NPER MIEAust RPEQ

Transport Canberra Light Rail - ACT Government

T 02 6207 0902 | M [REDACTED] | E Ki.Johnson@act.gov.au

496 Northbourne Avenue Dickson ACT 2602 - GPO Box 158, Canberra ACT 2601

www.transport.act.gov.au

From: [REDACTED]

Sent: 24/05/2019 9:28:23 AM AEST (GMT +10:00)

To: Ki Johnson

Cc: [REDACTED], Shelly Fraser

Mail Number: AEC ANZ-RTRFI-005422

Subject: Re: Antill/Mouat Red Light/Speed Camera - no signage detailed

Design Impact Assessment:	No Change to Design
Design Package:	36 Road Furniture/Signs/Lines - South
Area:	02 South Corridor
Discipline:	CIV Civil
RFI Type:	Design
Design Phase:	Post-IFC
Design Impact:	Type 3 - Clarification
Time Impact:	Yes

Safety Issue:	Yes
IFC Design Change Required?:	Yes
DCIA Form Attached?:	No
NCR Number:	No NCR
Reference Document Numbers and Revision:	02-ACM-DRW-CIV-LI-4152-03 02-ACM-DRW-CIV-LI-5153-02 02-ACM-DRW-CIV-LI-0004-05

Hi Ki

Thanks for the response. We note that your sketch contains a combination of both Option 1 and Option 2. Can you please confirm we are to proceed as per your sketch (ie total of 3 signs - 2 gated at the bus stop and one extra on the streetlight pole).

Regards

From: K Johnson
Sent: 24/05/2019 8:34:49 AM AEST (GMT +10:00)
To: [REDACTED]
Cc: [REDACTED], Shelly Fraser
Mail Number: CMA LR-RTRFI-005957
Subject: Re: Antill/Mouat Red Light/Speed Camera - no signage detailed

Design Impact Assessment:	No Change to Design
Design Package:	36 Road Furniture/Signs/Lines - South
Area:	02 South Corridor
Discipline:	CIV Civil
RFI Type:	Design
Design Phase:	Post-IFC
Design Impact:	Type 3 - Clarification
Time Impact:	Yes
Safety Issue:	Yes
IFC Design Change Required?:	Yes
DCIA Form Attached?:	No
NCR Number:	No NCR
Reference Document Numbers and Revision:	02-ACM-DRW-CIV-LI-4152-03 02-ACM-DRW-CIV-LI-5153-02 02-ACM-DRW-CIV-LI-0004-05

Hi [REDACTED]
Territory supports Option 2 - concept supported by Roads ACT subject to Aecom detailing and design check.
I am awaiting confirmation of the signage numbers.
Cheers
Ki

Ki Johnson | Senior Design Manager
BEng CPEng NPER MIEAust RPEQ
Transport Canberra Light Rail - ACT Government
T 02 6207 0902 | **M** [REDACTED] | **E** Ki.Johnson@act.gov.au
496 Northbourne Avenue Dickson ACT 2602 - GPO Box 158, Canberra ACT 2601

From: [REDACTED]
Sent: 23/05/2019 11:38:35 AM AEST (GMT +10:00)
To: Shelly Fraser, Ki Johnson
Cc: [REDACTED]
Mail Number: AEC ANZ-RTRFI-005415
Subject: Re: Antill/Mouat Red Light/Speed Camera - no signage detailed

Design Impact Assessment:	No Change to Design
Design Package:	36 Road Furniture/Signs/Lines - South
Area:	02 South Corridor
Discipline:	CIV Civil
RFI Type:	Design
Design Phase:	Post-IFC
Design Impact:	Type 3 - Clarification
Time Impact:	Yes
Safety Issue:	Yes
IFC Design Change Required?:	Yes
DCIA Form Attached?:	No
NCR Number:	No NCR
Reference Document Numbers and Revision:	02-ACM-DRW-CIV-LI-4152-03 02-ACM-DRW-CIV-LI-5153-02 02-ACM-DRW-CIV-LI-0004-05

Hi Ki

Can you please advise the status of the request below regarding the redlight/speed camera signs.

Regards

[REDACTED]

From: [REDACTED]
Sent: 16/05/2019 2:12:53 PM AEST (GMT +10:00)
To: Shelly Fraser, Ki Johnson
Cc: Shelly Fraser
Mail Number: AEC ANZ-RTRFI-005367
Subject: Re: Antill/Mouat Red Light/Speed Camera - no signage detailed

Design Impact Assessment:	No Change to Design
Design Package:	36 Road Furniture/Signs/Lines - South
Area:	02 South Corridor
Discipline:	CIV Civil
RFI Type:	Design
Design Phase:	Post-IFC
Design Impact:	Type 3 - Clarification
Time Impact:	Yes
Safety Issue:	Yes

IFC Design Change Required?:	Yes
DCIA Form Attached?:	No
NCR Number:	No NCR
Reference Document Numbers and Revision:	02-ACM-DRW-CIV-LI-4152-03 02-ACM-DRW-CIV-LI-5153-02 02-ACM-DRW-CIV-LI-0004-05

Hi Ki

Thank you for your update on this via outlook (copy attached). When a decision is made for the signs at Antill, can you please advise the original sign numbers and also provide the inventory form for the signs as the signs will need to be re-manufactured.

Regards

██████████

From: ██████████
Sent: 14/05/2019 11:49:33 AM AEST (GMT +10:00)
To: Shelly Fraser
Cc: Ki Johnson
Mail Number: AEC ANZ-RTRFI-005349
Subject: Fwd: Antill/Mouat Red Light/Speed Camera - no signage detailed

Design Impact Assessment:	No Change to Design
Design Package:	36 Road Furniture/Signs/Lines - South
Area:	02 South Corridor
Discipline:	CIV Civil
RFI Type:	Design
Design Phase:	Post-IFC
Design Impact:	Type 3 - Clarification
Time Impact:	Yes
Safety Issue:	Yes
IFC Design Change Required?:	Yes
DCIA Form Attached?:	No
NCR Number:	No NCR
Reference Document Numbers and Revision:	02-ACM-DRW-CIV-LI-4152-03 02-ACM-DRW-CIV-LI-5153-02 02-ACM-DRW-CIV-LI-0004-05

Hi Shelly

As per the request below from CMC can you please advise on the required redlight/speed camera signage.

Prior to the light rail, there appeared to be two advanced signs (one in the southbound verge and the other in the median) as per the attached sketch and photos. The verge sign (RED LIGHT AND SPEED CAMERA AHEAD - CHECK YOUR SPEED) was located at the bus stop south of Swinden Street and the median sign (RED LIGHT AND SPEED CAMERA AHEAD) was just south of the right turn into the netball centre. These signs were shown to be removed.

We understand that as the camera is now being reinstalled, the signage needs to be re-erected.

We have proposed three options for relocating the signs as per the attached sketches.

Option 1

Erect the verge sign to the existing streetlighting pole south of the services road left in/left out intersection. This location allows vehicles turning onto Northbourne to see the sign.

The median sign cannot be gated as there is insufficient room for the sign in the median. It is proposed to erect the sign north to a location where the median widens to allow the sign to be installed 100mm clear of the DKE.

Option 2

Erect the verge sign south of the bus stop and erect the median sign as per Option 1. This allows the signs to be gated.

Option 3

Erect the verge sign on the new streetlight pole at the bus stop. This is a similar location to where the original sign was. The median sign can be erected directly across the road to allow the signs to be gated.

Can you please review and advise a preferred option (or alternative).

For the sign numbers, we have checked the old TCDs and there is no number for the verge sign at the bus stop shown, only text stating 'Note 2' but there is no definition of the note. Can you please advise the required number for this sign.

For the median sign, there is a sign G6-243-1 which is shown in the general vicinity. Is this the correct sign number? If not, can you please also advise the correct number for this sign.

Regards

[Redacted]

From: [Redacted]
Sent: 13/05/2019 6:44:48 PM AEST (GMT +10:00)
To: [Redacted], [Redacted], [Redacted]
Cc: [Redacted], [Redacted], [Redacted], [Redacted], [Redacted], [Redacted]
Mail Number: CMC-RFI-004117
Subject: Antill/Mouat Red Light/Speed Camera - no signage detailed

Design Package:	36 Road Furniture/Signs/Lines - South
Area:	02 South Corridor
Discipline:	CIV Civil
RFI Type:	Design
Design Phase:	Post-IFC
Design Impact:	Type 3 - Clarification
Time Impact:	Yes
Safety Issue:	Yes
IFC Design Change Required?:	Yes
DCIA Form Attached?:	No
NCR Number:	No NCR
Reference Document Numbers and Revision:	02-ACM-DRW-CIV-LI-4152-03 02-ACM-DRW-CIV-LI-5153-02 02-ACM-DRW-CIV-LI-0004-05

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Hi [Redacted],

part of our scope near the Antill/Mouat Intersection was to remove the existing Red Light/Speed camera in the centre median and relocate it to the SB verge. The camera has been moved and will be operational again soon but TCCS are querying the advanced warning signage for this. They have indicated that these cameras normally have gated signage (e.g. one on either side of the road or in this case, one on the verge and one in the centre median.

I've had a look through Package 36 (drawings 02-ACM-DRW-CIV-LI-4152-03, 02-ACM-DRW-CIV-LI-5153-02 and 02-ACM-DRW-CIV-LI-0004-05) but there is nothing shown for these signs. Also I'm not sure if a sign can even be installed for this on the centre median shoulder as it is so narrow in this area. An installed sign may encroach on the LRV DKE or it might be too close to passing motor vehicles.

Can you please review and provide clarification of what is required here and provide the required red line mark ups. I have attached a picture of the signs that TCCS require.

Regards

[REDACTED]

Area Manager



Construction

E: [REDACTED]@canberra-metro.com.au

330 Northbourne Avenue

Dickson ACT 2602

Mobile: [REDACTED]

Additional project team contact:

E: get-on-board@canberra-metro.com.au

Bruan, Nicole

From: Fraser, Shelly
Sent: Friday, 12 February 2021 4:04 PM
To: TCCS_FreedomOfInformation
Subject: FW: Red lights cameras - Antil and Barry
Attachments: RE: Set 14 red light safety camera [SEC=UNCLASSIFIED]
Categories: Nicole

UNOFFICIAL

Hi Nicole, Please see attached confirmation of Antil/Northbourne Red light camera commissioning. Confirmed by Electrician functioning/effective as of 12/9/2019.

Kind Regards,

Shelly Fraser | a/g Executive Branch Manager

CPEng RPEQ MIEAust NER BCivEng BBusMgt

Phone: 02 6207 9020 | Mobile: [REDACTED] | Email: shelly.fraser@act.gov.au

Roads ACT, City Operations | Transport Canberra and City Services Directorate | ACT Government

480 Northbourne Avenue, Dickson 2602 | GPO Box 158 Canberra ACT 2601 | www.act.gov.au

From: [REDACTED]@canberra-metro.com.au>

Sent: Thursday, 5 September 2019 9:31 AM

To: Fraser, Shelly <Shelly.Fraser@act.gov.au>

Cc: [REDACTED]@act.gov.au>

Subject: RE: Red lights cameras - Antil and Barry

Hi Shelly,

Antill/Mouat – All CMC works are completed. It is currently in Audit mode. Ecowise ([REDACTED]) has been dealing with John Peti from the Traffic Signals office on this. Once John is happy with the audit results he just needs to tell [REDACTED] to make the camera operational.

Barry/Cooyong – The concrete protection of the existing shallow conduits has been completed. I've just spoken to [REDACTED] about what else he needs to do to get the camera operational. There's a full night shift in mounting a new radar and then re-configuring all of the wiring. Half of the works is off the alignment and the other half is in the alignment.

I also need to check if we have the relevant TTMP's to cover all of these works. We will need a Permit to work from CMO for this. Based on that I'd say this will take 2 to 3 weeks to get all this work completed. I'll start working on the documentation this week and I'll keep you updated on progress.

Regards

██████████
Area Manager

E: ██████████@canberra-metro.com.au
Level 5, 470 Northbourne Avenue,
Dickson, ACT 2602
Mobile: ██████████

Additional project team contact:

E: get-on-board@canberra-metro.com.au

From: Fraser, Shelly <Shelly.Fraser@act.gov.au>
Sent: Thursday, 5 September 2019 8:45 AM
To: ██████████@canberra-metro.com.au>
Cc: Bunnik, Chris <Chris.Bunnik@act.gov.au>
Subject: Red lights cameras - Antil and Barry

Hi ██████████
Do you have a status update on when these will be operational?

Kind Regards,
Shelly Fraser | Infrastructure Specialist
CPEng RPEQ MIEAust NER BCivEng BBusMgt
Phone: 02 6207 9020 | Mobile: ██████████ | Email: shelly.fraser@act.gov.au
Major Project Support | Transport Canberra and City Services Directorate | ACT Government
Level 1, 490 Northbourne Avenue, Dickson 2602 | GPO Box 158 Canberra ACT 2601 | www.act.gov.au

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Bruan, Nicole

From: Reid, Alana
Sent: Thursday, 12 September 2019 10:58 AM
To: Fraser, Shelly
Subject: RE: Set 14 red light safety camera [SEC=UNCLASSIFIED]

UNOFFICIAL

Great news!! Did you need me to do anything?

Alana Reid | Operations Support

Phone: 02 6207 3420 | Email: alana.reid@act.gov.au

Transport Canberra Light Rail | Transport Canberra and City Services Directorate | **ACT Government**

496 Northbourne Avenue Dickson | GPO Box 158, Canberra ACT 2601 | www.transport.act.gov.au



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From: Fraser, Shelly <Shelly.Fraser@act.gov.au>
Sent: Thursday, 12 September 2019 8:44 AM
To: Reid, Alana <Alana.Reid@act.gov.au>
Subject: FW: Set 14 red light safety camera [SEC=UNCLASSIFIED]

Finally up and running! Antil camera

Kind Regards,

Shelly Fraser | Infrastructure Specialist

CPEng RPEQ MIEAust NER BCivEng BBusMgt

Phone: 02 6207 9020 | Mobile:  | Email: shelly.fraser@act.gov.au

From: [REDACTED] <[\[REDACTED\]@ecowise-services.com.au](mailto:[REDACTED]@ecowise-services.com.au)>
Sent: Thursday, 12 September 2019 7:09 AM
To: Fraser, Shelly <Shelly.Fraser@act.gov.au>; Bunnik, Chris <Chris.Bunnik@act.gov.au>
Subject: RE: Set 14 red light safety camera [SEC=UNCLASSIFIED]

Hi All

The camera is now up and running and giving out infringements .

Our contact with the TCO is John Peti.

Cheers

[REDACTED]
Supervisor
Traffic Signals Maintenance
Ecowise Services (Aust) Pty Ltd
Ph 02 6285 7666

From: Fraser, Shelly [<mailto:Shelly.Fraser@act.gov.au>]
Sent: Tuesday, 10 September 2019 3:59 PM
To: Roper, Daniel; Bunnik, Chris
Subject: RE: Set 14 red light safety camera [SEC=UNCLASSIFIED]

Hi [REDACTED]
Any update on this?

Can I please also clarify if Ecowise are liasing direct with (John Pedi?) on this? I.e. Canberra Metro are no longer involved/have no further role in order to have this camera operating?

Kind Regards,
Shelly Fraser | Infrastructure Specialist

CPEng RPEQ MIEAust NER BCivEng BBusMgt

Phone: 02 6207 9020 | Mobile: [REDACTED] | Email: shelly.fraser@act.gov.au

Major Project Support | Transport Canberra and City Services Directorate | **ACT Government**

Level 1, 490 Northbourne Avenue, Dickson 2602 | GPO Box 158 Canberra ACT 2601 | www.act.gov.au

From: [REDACTED] [@ecowise-services.com.au](mailto:[REDACTED]@ecowise-services.com.au)>

Sent: Thursday, 5 September 2019 3:14 PM

To: Fraser, Shelly <Shelly.Fraser@act.gov.au>; Bunnik, Chris <Chris.Bunnik@act.gov.au>

Subject: RE: Set 14 red light safety camera [SEC=UNCLASSIFIED]

Hi Shelly / Chris

The camera is up and running in test mode and we are still waiting for the ok from the traffic camera office to get it getting infringements.

Regards

[REDACTED]

Supervisor

Traffic Signals Maintenance

Ecowise Services (Aust) Pty Ltd

Ph 02 6285 7666

From: Fraser, Shelly [<mailto:Shelly.Fraser@act.gov.au>]

Sent: Thursday, 5 September 2019 9:54 AM

To: Bunnik, Chris; [REDACTED]

Subject: RE: Set 14 red light safety camera [SEC=UNCLASSIFIED]

Hi [REDACTED]

Any updates on this?

Kind Regards,

Shelly Fraser | Infrastructure Specialist

CPEng RPEQ MIEAust NER BCivEng BBusMgt

Phone: 02 6207 9020 | Mobile: [REDACTED] | Email: shelly.fraser@act.gov.au

Major Project Support | Transport Canberra and City Services Directorate | **ACT Government**

Level 1, 490 Northbourne Avenue, Dickson 2602 | GPO Box 158 Canberra ACT 2601 | www.act.gov.au

From: Bunnik, Chris <Chris.Bunnik@act.gov.au>
Sent: Tuesday, 20 August 2019 1:03 PM
To: [REDACTED] <[\[REDACTED\]@ecowise-services.com.au](mailto:[REDACTED]@ecowise-services.com.au)>
Cc: Fraser, Shelly <Shelly.Fraser@act.gov.au>
Subject: Set 14 red light safety camera [SEC=UNCLASSIFIED]

[REDACTED]

Could you please let Shelly Fraser (cc'd) and myself know when Phil reconnects the RLSC to the TCU.

Thanks

Chris Bunnik | Assistant Director Traffic Signals, Roads ACT

Phone: 02 6207 5223 | Email: chris.bunnik@act.gov.au

City Services | Transport Canberra and City Services Directorate | ACT Government

Ground Floor, 496 Northbourne Avenue, Dickson 2602 | GPO Box 158 Canberra ACT 2601 | www.act.gov.au



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MAIL TYPE
Response to RFI

MAIL NUMBER
CMC-RTRFI-021845

REFERENCE NUMBER
CMC-RFI-004436

Fwd South Block 10 outbound signage sightline Issues

From: [REDACTED] - Canberra Metro Construction
To: Shelly Fraser - Transport Canberra Light Rail
Cc (2): [REDACTED] - AECOM
[REDACTED] - Canberra Metro Construction
Sent: Thursday, 17 October 2019
Respond by: 21/10/2019

DETAILS

Design Impact Assessment: No Change to Design
Design Package: 36 Road Furniture/Signs/Lines - South
Area: 02 South Corridor
Discipline: CIV Civil
RFI Type: Design
Design Phase: As-Built
Design Impact: Type 1 - Major
Time Impact: Yes
Safety Issue: No
IFC Design Change Required?: No
DCIA Form Attached?: No
NCR Number: N/A
Reference Document Numbers and Revision: 02-ACM-DRW-CIV-LI-4151

MESSAGE

Hi Shelly
Attached is the final locations for the speed camera signs which AECOM have approved, and are issued for Territory acceptance / comment. TCCS early response to this request is greatly appreciated.
Regards
[REDACTED]
Design Manager



P: [REDACTED]@canberra-metro.com.au
A: 330 Northbourne Ave | Dickson, ACT, 2602
Additional project team contact: get-on-board@canberra-metro.com.au

From: [REDACTED]
Sent: 09/10/2019 12:06:45 PM AEDT (GMT +11:00)
To: [REDACTED], Shelly Fraser
Cc: [REDACTED], [REDACTED], [REDACTED], Ki Johnson
Mail Number: CMC-RTRFI-021810
Subject: Re: South: Block 10 Southbound Signage Sightline Issues

Design Impact Assessment:	No Change to Design
Design Package:	36 Road Furniture/Signs/Lines - South
Area:	02 South Corridor
Discipline:	CIV Civil
RFI Type:	Design
Design Phase:	As-Built
Design Impact:	Type 1 - Major
Time Impact:	Yes
Safety Issue:	No
IFC Design Change Required?:	No
DCIA Form Attached?:	No
NCR Number:	N/A
Reference Document Numbers and Revision:	02-ACM-DRW-CIV-LI-4151

Jane,
Please look at our alternative proposal in the attached. It is easier to move the speed signs instead of the red light speed camera signs. We propose to leave the speed camera signs where they are and move the speed signs, as they are gated, forward. Verge side sign will be installed on the streetlight pole.
Please advise
Shelly,
Please advise your position on this.
Cheers,
[REDACTED]

From: [REDACTED]
 Sent: 9/27/19 10:14:40 AM AEST (GMT +10:00)
 To: [REDACTED], Shelly Fraser
 Cc: [REDACTED], Ki Johnson
 Mail Number: OMC-RTRFI-021761
 Subject: Re: South: Block 10 Southbound Signage Sightline Issues

Design Impact Assessment:	No Change to Design
Design Package:	36 Road Furniture/Signs/Lines - South
Area:	02 South Corridor
Discipline:	CIV C II
RFI Type:	Design
Design Phase:	As-Built
Design Impact:	Type 1 - Major
Time Impact:	es
Safety Issue:	No
IFC Design Change Required?:	No
DCIA Form Attached?:	No
NCR Number:	N/A
Reference Document Numbers and Revision:	02-ACH-DRW-CIV-LI-4151

Hi Shelly,

Please see attached markup.

Cheers,

[REDACTED]

From: S Fraser
 Sent: 9/26/19 4 36 35 PM AEST (GMT +10 00)
 To: [REDACTED], [REDACTED]
 Cc: Ki Johnson
 Mail Number: OMA LR-RTRFI-006216
 Subject: Re: South: Block 10 Southbound Signage Sightline Issues

Design Impact Assessment:	No Change to Design
Design Package:	36 Road Furniture/Signs/Lines - South
Area:	02 South Corridor
Discipline:	CIV Civil
RFI Type:	Design
Design Phase:	As-Built
Design Impact:	Type 1 - Major
Time Impact:	Yes
Safety Issue:	No
IFC Design Change Required?:	No
DCIA Form Attached?:	No
NCR Number:	N/A
Reference Document Numbers and Revision:	02-ACH-DRW-CIV-LI-4151

Hi [REDACTED],
 No markups are attached but please advise proposed relocation of the red light camera sign, or the speed sign?
 Kind Regards,
 Shelly Fraser
 Infrastructure Specialist, TCCS

From: [REDACTED]
 Sent: 24/09/2019 9:22:18 AM AEST (GMT +10:00)
 To: [REDACTED]
 Cc: Shelly Fraser
 Mail Number: OMC-RTRFI-021748
 Subject: Fwd: South: Block 10 Southbound Signage Sightline Issues

Design Impact Assessment:	No Change to Design
Design Package:	36 Road Furniture/Signs/Lines - South
Area:	02 South Corridor
Discipline:	CIV C II
RFI Type:	Design
Design Phase:	As-Built
Design Impact:	Type 1 - Major
Time Impact:	es
Safety Issue:	No
IFC Design Change Required?:	No
DCIA Form Attached?:	No
NCR Number:	N/A
Reference Document Numbers and Revision:	02-ACH-DRW-CIV-LI-4151

Hi [REDACTED],
 As discussed can you confirm the proposed location for the camera and signs is ok to construct prior to seeking TCCS approval to relocate the red light camera

Thanks
 [REDACTED]
 Design Manager



P [REDACTED] | E [REDACTED] @canberra-metro.com.au
 A: 330 Northbourne Ave | Dickson, ACT, 2602
 Additional project team contact: get-on-board@canberra-metro.com.au

From: [REDACTED]
 Sent: 18/09/2019 11:30:34 AM AEST (GMT +10:00)
 To: [REDACTED]
 Cc: [REDACTED]
 Mail Number: AEC ANZ-RTRFI-005788
 Subject: Re: South: Block 10 Southbound Signage Sightline Issues

Design Impact Assessment:	No Change to Design
Design Package:	36 Road Furniture/Signs/Lines - South
Area:	02 South Corridor
Discipline:	CIV 0 II
RFI Type:	Design
Design Phase:	As-Built
Design Impact:	Type 1 - Major
Time Impact:	es
Safety Issue:	No
IFC Design Change Required?:	No
DCIA Form Attached?:	No
NCR Number:	N/A
Reference Document Numbers and Revision:	02-ACH-DRW-CIV-LI-4151

[REDACTED]

Relocate the Red Light camera sign 24 m to the north. Maintain 500 mm minimum from face of kerb to the edge of the sign blade.

The drainage drawing doesn't show any utilities or pits in this location, however inspect on site to make sure the sign location does not clash with any rail infrastructure.

regards

[REDACTED]

From: [REDACTED]
 Sent: 11/09/2019 6:48:53 PM AEST (GMT +10:00)
 To: [REDACTED]
 Cc: [REDACTED]
 Mail Number: CMC RFI 004436
 Subject: South: Block 10 Southbound Signage Sightline Issues

Design Package:	36 Road Furniture/Signs/Lines - South
Area:	02 South Corridor
Discipline:	CIV 0 II
RFI Type:	Design
Design Phase:	As-Built
Design Impact:	Type 1 - Major
Time Impact:	es
Safety Issue:	No
IFC Design Change Required?:	No
DCIA Form Attached?:	No
NCR Number:	N/A
Reference Document Numbers and Revision:	02-ACH-DRW-CIV-LI-4151

[REDACTED]

Please see attached markup and photo. There is a red light speed camera warning sign blocking the speed sign where they are installed in block 10 median.

Please advise a solution to this. We would prefer not to move any of these further south as the clearance between kerb line and DKE rapidly decreases in there.

Regards,

[REDACTED]

MAIL TYPE
Contract Communication

MAIL NUMBER
CMA LR-CCOMM-013398

REFERENCE NUMBER
CMC-CCOMM-015429

Re: OOH #328 Northbourne Ave/Barry Dr Cooyong St Intersection Red Light Camera Works 18-19 Nov for Review and Approval

From Mr Nick Bryant - Transport Canberra Light Rail

To (3) [REDACTED] - Canberra Metro Construction
Shelly Fraser - Transport Canberra Light Rail
Rebecca Zerial - Transport Canberra Light Rail

Cc (5) [REDACTED] - Aurican Consulting Pty Ltd
[REDACTED] - Canberra Metro Construction
[REDACTED] - Canberra Metro Construction
[REDACTED] - Canberra Metro Construction
Mr John Smart - Transport Canberra Light Rail

Sent Monday, 11 November 2019

DETAILS

Area 02 South Corridor

Discipline ELE Electrical

MESSAGE

Hi [REDACTED]

Please find attached the OoH approval for the red light camera works at the intersection of Barry Drv Cooyong St and Northbourne Avenue.

The OoH work is permitted with the following conditions:

- a signed copy of this OoH approval must be on site during works and available upon request
- adherence to the conditions of TTMP #6122
- Territory approved notification to sensitive receivers for relevant intersections via CMC website / direct email where applicable.
- Ensure that all vehicles and machinery is fitted with correct reversing/operating 'quackers' and that work crews are mindful of managing noise outside residences.
- where possible please ensure where possible noise mitigation apparatus is being used to reduce impacts.
- Please ensure that local residences/hotels and businesses have been contacted ahead of works to inform them of works.
- adherence to all statutory and approvals conditions

Cheers

Nick

From [REDACTED]
Sent: 11/11/2019 9:01:42 AM AEDT (GMT +11:00)
To: Nick Bryant, Shelly Fraser, Rebecca Zerial
Cc: [REDACTED], [REDACTED], [REDACTED], [REDACTED], John Smart
Mail Number: CMC-CCOMM-015429
Subject: OOH #328 Northbourne Ave/Barry Dr Cooyong St Intersection Red Light Camera Works 18-19 Nov for Review and Approval

Area:	02 South Corridor
Discipline:	ELE Electrical

Hello Nick,

Please find attached OOH Plan # 328 for Barry Cooyong/ Northbourne Red light camera traffic integrations scheduled for Mon and Tues next week (18th and 19th November). We will need to shut down traffic signals at the intersection for the integration and will need a mid block closure.

Please advise.

Kind Regards,

[REDACTED]
[REDACTED]

Out of Hours Works Plan #328

As per SPR4 2.1(c)(ii) applications for Out of Hours Works need to be submitted to the Territory at least three weeks prior to the proposed commencement of those works.

Scope of Out of Hours Works (SPR4 2.1(c)(i) A, B, C, E)

Location (Map at Appendix A)	Northbourne Avenue / Barry Dr. – Cooyong St Intersection - as shown on drawing in Appendix A		
Relevant TTMP/s	TTMP 6122		
Times and expected Duration	Period: Monday 18th November 2019 & Tuesday 19th November 2019 Hours/Days: 10:00PM – 4:00AM Each Night		
Activities to be Undertaken	Main Activity: Red Light Camera / Radar Circuit interface connections Associated works: N/A		
Construction Equipment	Equipment to be used: Hand tools, generators, light vehicles, trucks.		
Justification for OoHW	Reason	Yes	Comment
	To avoid traffic impacts to a key intersection or transit route	X	
	To minimise impacts to members of the public	X	
	To avoid impacts to a public transport route	X	
	For safety reasons	X	
	For environmental reasons	<input type="checkbox"/>	
	Other (please describe)	<input type="checkbox"/>	

Qualitative Noise and Vibration Assessment

Sensitive Receivers (SPR4 2.1(c)(i) D)

Identified sensitive receivers ¹ (Map at Appendix A)	<ul style="list-style-type: none"> All nearby residents within 250m
--	--

¹ Sensitive receivers include residential (including hotels and motels etc.), education institutions (schools, child-care centres etc.), places of worship, outdoor recreation areas). Commercial and industrial receivers are not considered sensitive to airborne noise impacts.

Mitigation measures (SPR4 2.1(c)(i) F)

Plant will be turned off when not in use.	<input checked="" type="checkbox"/> MANDATORY
Reversing will be minimised and reverse quackers will be used instead of sirens.	<input checked="" type="checkbox"/> MANDATORY
Temporary lighting towers will be directed directly onto the work area.	<input checked="" type="checkbox"/> MANDATORY
If there are multiple complaints, a detailed review of work methodology will be undertaken the following day.	<input checked="" type="checkbox"/> MANDATORY
The coincidence of noisy plant working simultaneously and adjacent to sensitive receivers will be avoided where possible	<input checked="" type="checkbox"/> MANDATORY
Where possible, equipment with directional noise emissions will be orientated away from sensitive receivers.	<input checked="" type="checkbox"/> MANDATORY
Loading and unloading will be carried out away from sensitive receivers, where practicable	<input checked="" type="checkbox"/> MANDATORY
Noise curtains will be installed around lighting towers where possible	<input type="checkbox"/>
Noise curtains will be installed around the operation of noise plant or activities where possible.	<input type="checkbox"/>
The majority of noisy works will be conducted before 11pm where possible.	<input type="checkbox"/>
OTHER [please insert below]	
Noise monitoring as required	
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>

	No	Yes
Part C - Are the proposed OoHW with implementation of mitigation measures likely exceed the applicable noise goals?	X	<input type="checkbox"/>

Contingencies

In certain circumstances, alternative work methodologies may require consideration during the course of out of hours works. Where alternative work methodologies do not materially change the nature of the impacts (noise, light spill, access etc), and at the discretion of the Site Supervisor, these alternative work methodologies may be used, provided they are documented below:

Alternative work method	Reason	Site Supervisor Sign-off

Other Information

SPR4 2.1(c)(i)G provides for the Territory to reasonably request other information about the out of hours works. If such a request has been made, please detail below.

Date Received	Nature of the Request	Response

Consultation with Affected Receivers and Stakeholders (SPR31 5.2.2)

Please include detail of the communications activities proposed to be undertaken and include a draft copy of the notification (in accordance with SPR31 5.2.2(a)(ix) in Appendix B:

Community Notice to be delivered within 250m of workspace. Door knocking will be undertaken as identified.

In addition please answer the following questions:

	No	Yes
Part D - Are the proposed works complex or potentially contentious or work that includes major road closures, disruptions to major events, removal of trees or pollution?	X	<input type="checkbox"/>
Part E – Has the Territory directed that an issues-specific Communications Action Plan be developed?	X	<input type="checkbox"/>

If the answer to Part D or Part E is yes then please also complete Appendix

Traffic Management

	No	Yes
Part F – Do the works require any temporary traffic management arrangements?	<input type="checkbox"/>	X
Part G – (If yes to Part F): Have the works been through the Traffic and Transport Liaison Group (TTLG) submission process?	<input type="checkbox"/>	X
Part H – (If yes to Part G): Are required Temporary Traffic Management Plans (TTMPs) approved by Roads ACT?	<input type="checkbox"/>	X
Part I – do the works require major diversions or lane closures that may affect action buses or other ACT stakeholders	X	<input type="checkbox"/>
Comments: Late night works are outside the Bus schedule		

Out of Hours Works Approval

	Approved	Signature	Name	Approval Date
CMC Area Manager (or delegate)	<input checked="" type="checkbox"/>	[Redacted]	[Redacted]	11/11/19.
CMC Construction Manager/Deputy Project Director	<input checked="" type="checkbox"/>	[Redacted]	[Redacted]	11.11.19
Territory Representative (or delegate)	<input type="checkbox"/>			

Appendix A

Red Circle is 250m around works
Green square is work footprint



Appendix B

DRAFT COPY OF COMMUNITY NOTIFICATION

OUT OF HOURS NOTICE – NORTHBOURNE AVENUE
NORTHBOURNE AVENUE / BARRY DR. COOYONG ST. INTERSECTION
18 NOV – 19 NOV

With light rail from Gungahlin to the City now operating, there are still minor works to be carried out to complete the light rail corridor and surrounds. This is to ensure Canberra's light rail system is quality assured now and into the future. Canberra Metro Construction appreciates the patience and support of our community as this activity takes place.

Construction Works:

Out of hours works are required for the red light camera works at the intersection of Barry Dr./ Cooyong St and Northbourne Avenue. The works will be taking place from 10:00PM to 4:00AM each night, from Monday 18th November to Tuesday 19th November.

Traffic Management and Detours:

- Each Night between 10:00PM and 4:00AM, there will be no access to crossing over Northbourne from Barry Dr. and Cooyong St.
- Traffic exiting Barry Dr. will be permitted to turn North onto Northbourne Ave. only and traffic exiting Cooyong St. will be permitted to turn South onto Northbourne Ave. only.
- Detours via Elouera/Gould St and Rudd/Bunda St.

Additional Information:

The equipment to be used includes: light vehicles and telehandlers.

The project team will ensure the number of machines operating at the same time is limited and equipment turned off when not in use. Non-tonal reversing beepers will be used* and workers will be instructed to keep noise to a minimum.

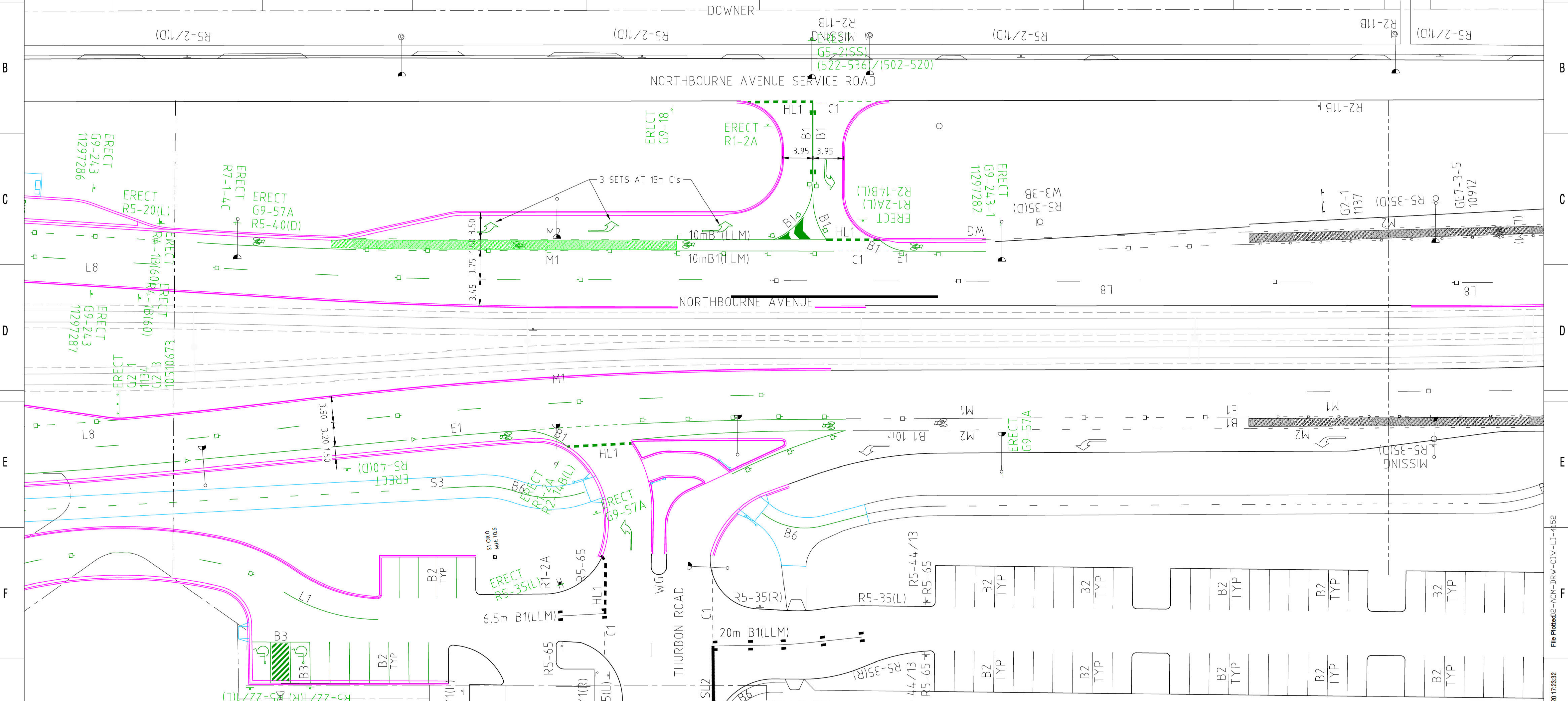
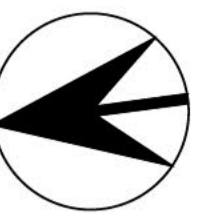
These works are designed to transform Canberra, making it more accessible and to provide greater commuter connectivity across an integrated public transport network. We appreciate the continued patience of the public and the support of the Canberra community as we carry out these works.

More information can be found by visiting www.canberra-metro.com.au. If you have any questions in relation to works in your local area, please contact Transport Canberra by:

- [via the online feedback form](#) for complaints and compliments
- telephone on [13 17 10](tel:131710)
- post at GPO Box 158 Canberra City ACT 2601

*Except for elevated work platforms which are required by safety regulations to have tonal beepers.

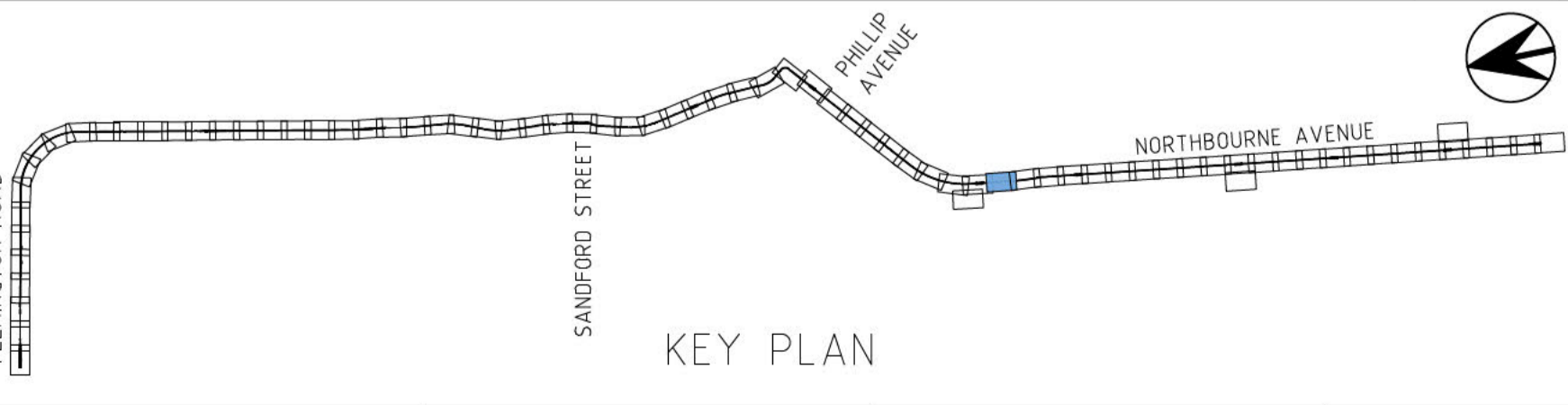
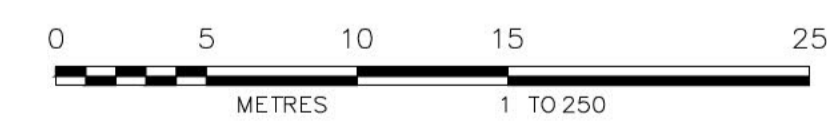
WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM	RECOMMENDED FOR AUTHORISATION	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
DATE:	DRAWING NAME	AUTHORISING SIGNATURE
CONSULTANT NAME	02-ACM-DRW-CIV-LI-4152	DATE:
SIGNATURE	SCALE	DOCUMENT NUMBER
DATE:	1:250	



NOTE:

- REFER TO DRAWINGS 02-ACM-DRW-CIV-LI-0004 AND 02-ACM-DRW-CIV-LI-0005 FOR SIGNAGE SCHEDULES.
- REFER TO DRAWING 02-ACM-DRW-CIV-LI-0006 FOR TGS1 DETAILS.

AS BUILT STATUS			
AB Status	Date	Responsible Person	Signed
WAE Complete	18.05.2020	[REDACTED]	[REDACTED]
CMC Certified	18.05.2020	[REDACTED]	[REDACTED]
Project Co. Certified	18.05.2020	[REDACTED]	[REDACTED]



WAE	AS-BUILT	TWN	18/05/20	RSL	18/05/20	APPROVED	INITIAL/DATE
AMC							

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: 1:250



DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

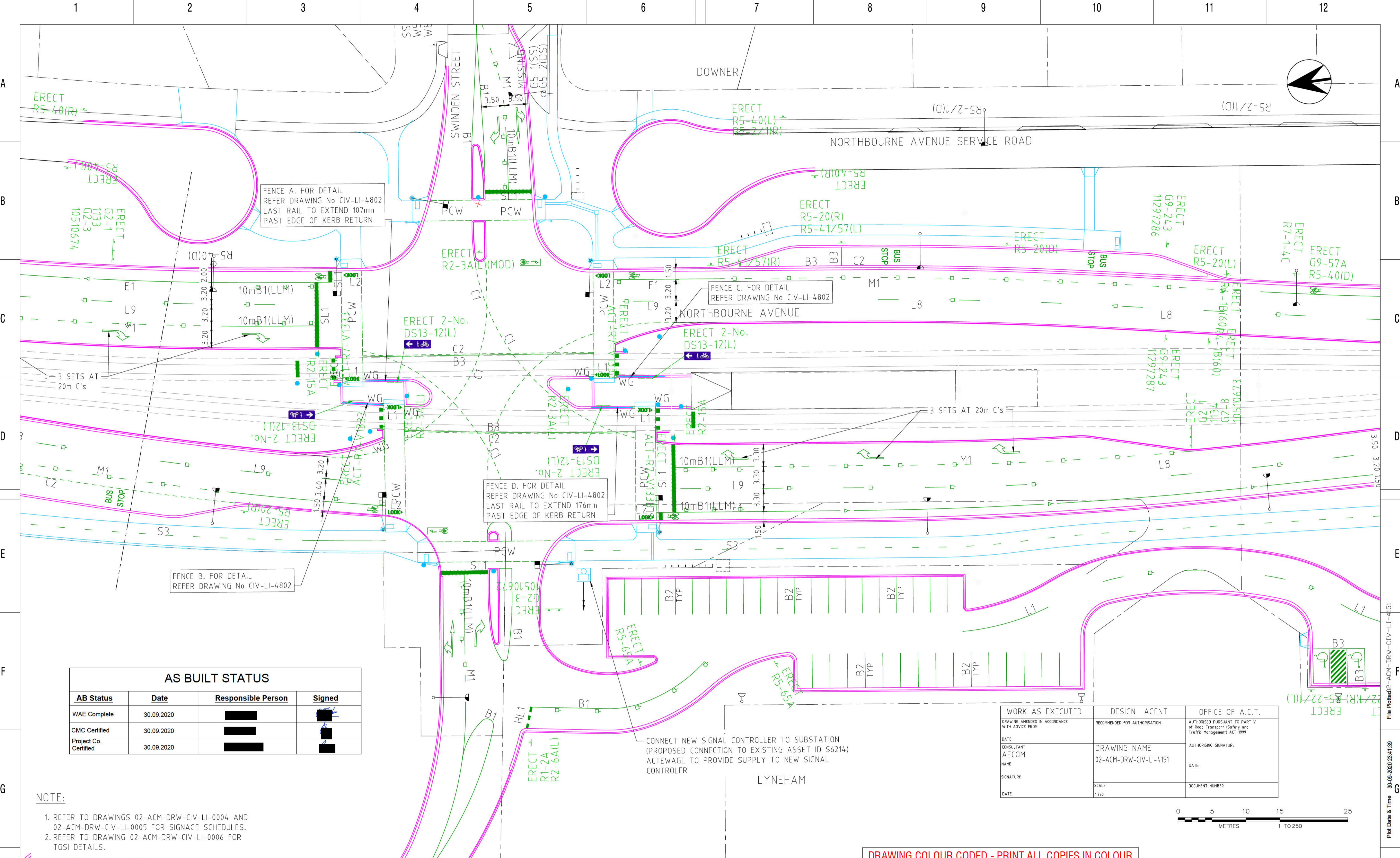
This drawing is confidential and shall only be used for the purpose of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the AECOM quality assurance system to ISO 9001:2000.

DRAWN	[REDACTED]	26.07.16
DESIGNED	[REDACTED]	19.07.16
DRG CHECK	[REDACTED]	16.08.16
DESIGN CHECK	[REDACTED]	17.08.16
APPROVED	[REDACTED]	18.08.16

CANBERRA METRO
CIVIL
**TRAFFIC CONTROL DEVICES
SIGNS AND LINEMARKING**

FILE No.	SHEET: 52 OF 75	A1
STATUS: AS-BUILT		©
DRG No.	02-ACM-DRW-CIV-LI-4152	WAE
EDMS No.	03a	DF 601154

File Plotted: 02-ACM-DRW-CIV-LI-4152
Plot Date & Time 18/05/2020 17:23:32



FENCE A. FOR DETAIL
REFER DRAWING No CIV-LI-4802
LAST RAIL TO EXTEND 107mm
PAST EDGE OF KERB RETURN

FENCE C. FOR DETAIL
REFER DRAWING No CIV-LI-4802

FENCE D. FOR DETAIL
REFER DRAWING No CIV-LI-4802
LAST RAIL TO EXTEND 176mm
PAST EDGE OF KERB RETURN

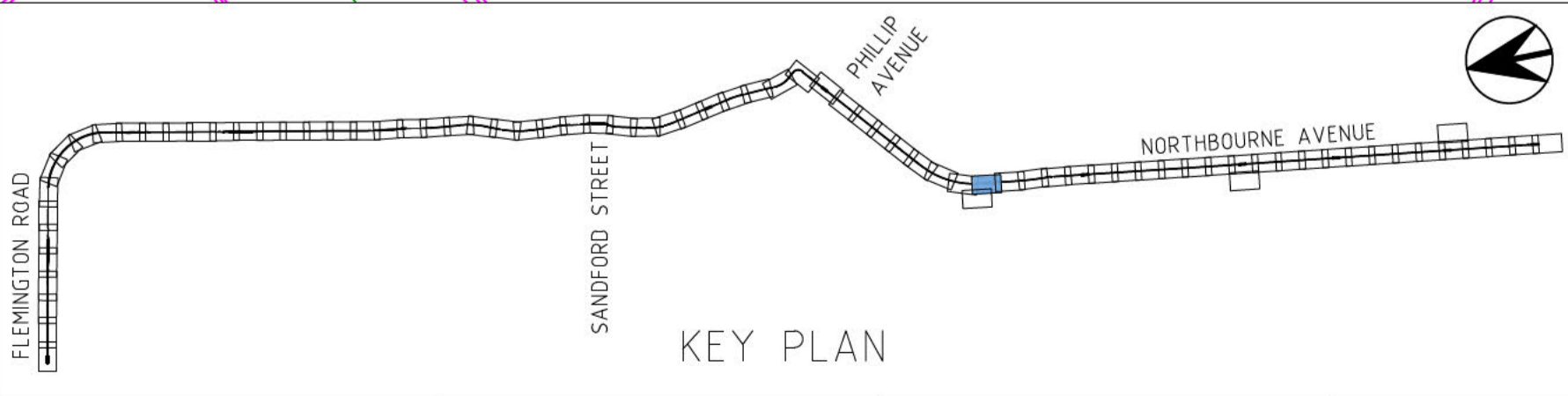
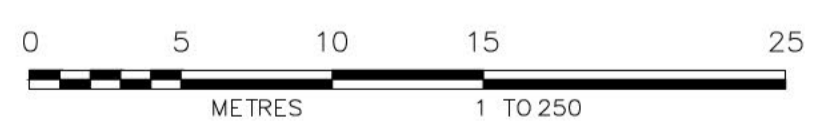
FENCE B. FOR DETAIL
REFER DRAWING No CIV-LI-4802

CONNECT NEW SIGNAL CONTROLLER TO SUBSTATION
(PROPOSED CONNECTION TO EXISTING ASSET ID S6214)
ACTEWAGL TO PROVIDE SUPPLY TO NEW SIGNAL
CONTROLLER

AS BUILT STATUS			
AB Status	Date	Responsible Person	Signed
WAE Complete	30.09.2020	[REDACTED]	[REDACTED]
CMC Certified	30.09.2020	[REDACTED]	[REDACTED]
Project Co. Certified	30.09.2020	[REDACTED]	[REDACTED]

- NOTE:
- REFER TO DRAWINGS 02-ACM-DRW-CIV-LI-0004 AND 02-ACM-DRW-CIV-LI-0005 FOR SIGNAGE SCHEDULES.
 - REFER TO DRAWING 02-ACM-DRW-CIV-LI-0006 FOR TGS1 DETAILS.

WORK AS EXECUTED	DESIGN AGENT	OFFICE OF A.C.T.
DRAWING AMENDED IN ACCORDANCE WITH ADVICE FROM	RECOMMENDED FOR AUTHORISATION	AUTHORISED PURSUANT TO PART V of Road Transport (Safety and Traffic Management) ACT 1999
DATE:	DRAWING NAME	AUTHORISING SIGNATURE
CONSULTANT AECOM NAME	02-ACM-DRW-CIV-LI-4151	DATE:
SIGNATURE	SCALE:	DOCUMENT NUMBER
DATE:	1:250	



WAE	AS-BUILT	RKV 30/09/20	RSL 30/09/20
AMD	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE
		APPROVED INITIAL/DATE	

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: 1:250



DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

This drawing is confidential and shall only be used for the purpose of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the AECOM quality assurance system to ISO 9001-2000.

AECOM	CIV
DRAWN	[REDACTED] 26.07.16
DESIGNED	[REDACTED] 19.07.16
DRG CHECK	[REDACTED] 16.08.16
DESIGN CHECK	[REDACTED] 17.08.16
APPROVED	[REDACTED] 18.08.16

CANBERRA METRO
CIVIL
**TRAFFIC CONTROL DEVICES
SIGNS AND LINEMARKING**

FILE No.	SHEET: 51 OF 75	A1
STATUS: AS-BUILT		
DRG No.	02-ACM-DRW-CIV-LI-4151	06
EDMS No.		

Plot Date & Time 30-09-2020 23:41:39 File Plotted 02-ACM-DRW-CIV-LI-4151

RED LIGHT CAMERAS IN THE ACT

A reminder to motorists - don't panic brake at these intersections.

RED LIGHT
AND SPEED
CAMERA
AHEAD

Red light and speed cameras have been progressively introduced at nine locations across Canberra since December 2000 as part of a range of measures to make our roads safer.

The cameras selected for the ACT are capable of detecting both red light and speeding offences.

What should I do when approaching an intersection with a red light camera?

Make sure you can stop if you need to. There is no need for panic braking, which could result in someone running into the back of your vehicle.

There is also no case for accelerating over the speed limit - this is dangerous and you will be booked for speeding.

Don't tailgate other vehicles. It is your responsibility to maintain sufficient distance from the vehicle ahead to avoid a collision should it stop unexpectedly.

If someone is tailgating you simply SLOW DOWN.

What should I do when the light turns amber?

The amber light is a warning that the traffic signal is about to turn red and you must stop unless you are too close to the intersection to pull up safely.

Motorists only receive a red-light infringement if they enter the intersection AFTER the traffic signal turns red.

Where and why are the cameras used?

The cameras are used at intersections with a history of serious crashes, which is the sole criterion for selecting red light camera locations.

About 15% of road casualties in the ACT, involving around 65 people a year, occur at traffic lights, often as a result of motorists running red lights.

This is a highly dangerous practice particularly when the vehicle is speeding as well - in some cases by up to 40km/h over the speed limit.

RED LIGHT
AND SPEED
CAMERA
AHEAD



If you have any questions about red light or speed cameras, please contact the Traffic Camera Office, telephone (02) 6207 7182 or visit our website at www.transport.act.gov.au.





Bill Wood MLA

MINISTER FOR URBAN SERVICES MINISTER FOR THE ARTS

MEMBER FOR BRINDABELLA

MEDIA RELEASE

18 March 2002

MORE RED LIGHT & SPEED CAMERAS START TOMORROW

ACT Urban Services Minister Bill Wood is reminding motorists that another three combined red light and speed cameras will begin operating tomorrow, Tuesday 19 March 2002.

The new camera sites and their five-year crash histories are:

- Hindmarsh Drive/Tuggeranong Parkway (Woden) 275 crashes
- Northbourne Avenue/Mouat Street/Antill Street (Dickson) 270 crashes
- Northbourne Avenue/London Circuit (City) 198 crashes

“As usual, signs have been placed on the approaches to these intersections warning motorists that red light and speed cameras are in use. Signs will also be erected at all new and existing sites informing motorists that the cameras assess both speed and red light offences, and advising them to check their speed.”

“Members of the public should be aware that these cameras continuously monitor the speed of vehicles, even during the green light cycle.”

“The preliminary findings of an independent evaluation of the ACT’s red light camera program indicates that it is having the desired effect of reducing red light running and speeding.”

“However, speeding remains a significant problem on Northbourne Avenue. Locating two of the new cameras on Northbourne Avenue is therefore highly appropriate.”

Further information on the red light camera program is available on the Urban Services web site at www.urbanservices.act.gov.au/ie4/roadsandtraffic/roadsafety/html

Further information: Tim Benson: (02) 6205 0300(w) or 0402 900 402(m)

ACT LEGISLATIVE ASSEMBLY

London Circuit, Canberra ACT 2601 GPO Box 1020, Canberra ACT 2601

Phone (02) 6205 0005 Fax (02) 6205 0294



Bill Wood MLA

MINISTER FOR URBAN SERVICES MINISTER FOR THE ARTS

MEMBER FOR BRINDABELLA

MEDIA RELEASE

Monday 11 March 2002

MORE RED LIGHT & SPEED CAMERAS START SHORTLY

ACT Urban Services Minister Bill Wood announced today that another three combined red light and speed cameras would begin operating on Tuesday 19 March 2002, bringing the total number in Canberra to nine.

The intersections where the new cameras are located and their five-year crash histories are:

- Hindmarsh Drive/Tuggeranong Parkway (Woden) 275 crashes
- Northbourne Avenue/Mouat Street/Antill Street (Dickson) 270 crashes
- Northbourne Avenue/London Circuit (City) 198 crashes

“As usual, signs will be placed on the approaches to these intersections warning motorists that red light and speed cameras are in use. Signs will also be erected at all new and existing sites informing motorists that the cameras assess both speed and red light offences, and advising them to check their speed.”

Members of the public should be aware that these cameras continuously monitor the speed of vehicles, even during the green light cycle.

Mr Wood said “the preliminary findings of an independent 18-month evaluation of the ACT’s red light camera program indicated that it was having the desired effect of reducing red light running and speeding.”

“Since the first three cameras were introduced 12 months ago, red light offences have fallen at the Civic and Belconnen sites, although the Kambah site has shown considerable fluctuations in infringement levels,” Mr Wood said.

“Speeding has also been reduced at two of the intersections, although it remains a significant problem on Northbourne Avenue which makes locating two of the new cameras on Northbourne Avenue is highly appropriate.

“A survey undertaken as part of the evaluation found that more than 70% of the community regarded red light cameras as a valuable road safety measure.”

Further information: Tim Benson: (02) 6205 0300(w) or 0402 900 402(m)

ACT LEGISLATIVE ASSEMBLY

London Circuit, Canberra ACT 2601 GPO Box 1020, Canberra ACT 2601

Phone (02) 6205 0005 Fax (02) 6205 0294



RED LIGHT CAMERAS START MONDAY 18 DECEMBER 2000

ACT Urban Services Minister Brendan Smyth announced today that Canberra's first red light camera would begin operating at the intersection of Northbourne Avenue, Barry Drive and Cooyong Street in Civic on Monday 18 December 2000.

"The regulations have now been finalised, enabling traffic infringement notices for red light camera offences to be issued from that date," Mr Smyth said.

"Signs alerting motorists to the presence of the camera will be placed on the approaches to the intersection. The start date will also be advertised on radio and in the press, and information on how the cameras operate will be published on the Government's web site (www.act.gov.au)."

"Additional cameras will be progressively introduced at other intersections with a serious crash history."

Mr Smyth cautioned motorists against panic braking at the red light camera intersections, which could result in someone running into the back of their vehicle, or accelerating over the speed limit.

"Traffic lights are programmed to allow adequate time between the amber and red phases for vehicles travelling within the speed limit to either stop or, if they are too close to pull up safely, drive through the intersection.

"However, I urge all motorists to avoid tailgating and ensure they maintain a safe distance from the vehicle ahead in case it stops unexpectedly. Road safety experts recommend you keep a gap of at least two seconds and preferably three between your vehicle and the one in front.

"I also appeal to motorists to slow down and remind them that the new cameras can detect speeding as well as red light running. During recent trials of the new cameras in Canberra, speeding offences outnumbered red light offences by eight to one.



Brendan Smyth MLA

Australian Capital Territory

Minister for Urban Services
Brindabella

Member for

“Bringing the red light cameras in before Christmas will provide an added deterrent to dangerous driving behaviour at this time of high accident risk on the roads,” Mr Smyth said.

Statement ends / Wednesday 6 December 2000

Further information: Natalie Soltyszewski, telephone 6205 0062, mobile 0419 694 641

SPEED AND RED LIGHT CAMERAS

INFORMATION FOR RESPONSE

- Speed cameras were introduced into the ACT on Wednesday 6 October 1999.
- The results in the first three months have been extremely encouraging, with the level of motorists exceeding the speed limit plummeting from around 50% before speed cameras to just over 2%. ACT drivers must be congratulated on this very positive and responsible reaction to speed cameras.
- These statistics show that speed cameras change drivers' attitudes and behaviour, and cut speeding. This is the road safety outcome we need, and can achieve, in the ACT!
- However, we know from interstate experience that infringements increase once the initial impact wears off. I thus urge motorists not to become complacent and continue to observe the speed limits
- The speed camera road network and locations will be regularly reviewed and extended as appropriate. The cameras continue to be deployed strictly on road safety considerations at locations chosen by a Camera Enforcement Safety Committee on which the NRMA is represented, along with the AFP and Urban Services.
- Red light cameras are also planned for introduction in mid-2000. They have the potential to reduce the frequency and severity of road trauma at traffic lights. In 1997 there were 64 injury crashes at ACT traffic lights, comprising 13% of the injury crashes in that year.
- Additional Government Payment for Outputs funding of \$600,000 has been allocated in the Budget and in the forward years to cover camera operating costs. The same amount has been allocated in 1999-2000 for the capital costs of the site works for red light cameras. These costs will be offset by estimated revenue of \$2.5 million in 1999-2000, decreasing to \$2.0 million in future years. (These revenue figures may now be questionable, given the very low infringement rates).

CONTACT OFFICER: David Handley
TELEPHONE: 6207 5719
AGENCY: Transport and Housing Policy



SPEED CAMERA PAMPHLETS IN YOUR MAIL BOX THIS WEEK

ACT Urban Services Minister, Brendan Smyth, said motorists would be relieved to know the pamphlet will not cost them a fine or any demerit points.

"The information pamphlets are being delivered to all households as part of a public education campaign to ensure motorists know about the introduction of speed cameras on Wednesday, 6 October, 1999.

The education campaign also involves radio and press advertisements advising motorists of their introduction. The radio advertisements began last week and will run for 2 weeks following the introduction of the cameras.

"The pamphlets explain why we are introducing the cameras, where and how they will operate, and what to do if you receive an infringement notice for a speed camera offence.

"A list of the initial 27 locations approved for speed camera operations is included in the pamphlet. These sites were based on crash records and speed surveys. The cameras will be placed in the open and signs positioned nearby to alert motorists that their speed is being checked. This is in addition to the permanent warning signs at each of the 27 locations.

"Overall control of the cameras is held with the Australian Federal Police, however Urban Services will manage the administration, as the government recognises that police have better things to do than personally watch over speed cameras.

"If you are detected speeding by a camera, you will receive an infringement notice in the mail, within about four working days of the offence. Interstate infringements may take up to a week.

"This information, together with a map of the camera locations, is also available on the internet at www.act.gov.au/transport or by phoning the speed camera office on 6207 7182.

"I advise all Canberra motorists to take a few minutes to read the information in the information pamphlet and check where the speed cameras will be used.

"More importantly, I urge driver's to remember there is no such thing as safe speeding and to slow down - because the next speeding notification they find in their mail box will be the real thing," Mr Smyth said

Statement ends / Monday, 27 September, 1999

Further information: Jo Elsom, telephone 6205 0062 mobile 0419 604 131.