

Juliet Esposito

From: Glenn Bunting
Sent: Tuesday, 3 July 2018 4:21 PM
To: Harry Wilson
Subject: FW: Rainbow Crossing
Attachments: ttd_2016-001.pdf; shared_zone_policy.pdf

Hi Harry – as per discussion this morning.

I'm still comfortable with our original offer to consider the rainbow markings at this site without the signals, by creating a shared crossing zone that required vehicles to drive through the area at around 10km/h, like the Hamilton Worley Place/Garden Place arrangement. s9(2)(g)(i)

s9(2)(g)(i)

I am happy to provide a short update in the background notes to this end. s9(2)(g)(i)

Cheers, GB

From: s9(2)(a)
Sent: Tuesday, 3 July 2018 3:07 PM
To: Glenn Bunting <Glenn.Bunting@nzta.govt.nz>
Cc: s9(2)(a)
Subject: RE: Rainbow Crossing

Glen

Yes the idea is to raise the carriageway level up to the full height of the kerb. Although not a standardised treatment we do have a few of these dotted around Sydney and they have a relatively good crash history, below is an example outside a school.

https://www.google.com.au/maps/@-33.8631581,151.1705074,3a,75y,17.59h,83.29t/data=!3m6!1e1!3m4!1su6g92iyonmU0M1jx7_CQ7g!2e0!7i13312!8i6656

We did consider removing the traffic signals and creating a shared zone, which under NSW legislation affords pedestrians an absolute right of priority - other Australian jurisdictions may be slightly different.

NSW RR 83 {24} <https://www.legislation.nsw.gov.au/#/view/regulation/2014/758/part7/div5/rule.83>.

However, vehicle numbers were considered too high. Whilst our current Shared Zone Technical Direction does not specifically state vehicle numbers, previous guidelines do, and we continue to use these figures as a bench mark. The figure is a maximum of 100 vehicles an hour and 1000 vehicles per day. At this location vehicle numbers regularly exceed 300 vehicles an hour and are between 2000-3500 on any given day. In addition, the segregated bidirectional cycleway on Bourke Street which approaches from the south has limited visibility as it emerges from behind vehicles (often trucks in a loading zone).

We did try very hard, from a technical perspective, for the rainbow colours to be placed on a shared zone with very little traffic movements but this was not considered acceptable.

Happy to let you know how it progresses.

Kind Regards,

s9(2)(a)

Network & Safety Services Manager
South East Precinct
Network & Safety Services

M s9(2)(a)

www.rms.nsw.gov.au

Every journey matters

Roads & Maritime Services
Level 44, 680 George Street
Sydney, NSW 2000

From: Glenn Bunting [<mailto:Glenn.Bunting@nzta.govt.nz>]
Sent: Tuesday, 3 July 2018 10:41 AM
To: s9(2)(a)
Cc: s9(2)(a)
Subject: RE: Rainbow Crossing

Thanks s9(2)(a) – that is very useful thank you.

Can you give me the height the intersection is proposed to be raised to? – is it flush with the adjacent footways? Also, was removing the signals completely considered, thereby creating a low speed, ‘shared zone’ across the intersection without obvious priority to pedestrians or vehicles?

I am keen to be kept up to date with how this progresses to installation if you wouldn’t mind please David, as it closely parallels our situation here.

Cheers, Glenn

Glenn Bunting / Manager Network Safety
Safety and Environment

s9(2)(a)

From: s9(2)(a)
Sent: Tuesday, 3 July 2018 12:15 PM
To: Glenn Bunting <Glenn.Bunting@nzta.govt.nz>
Cc: s9(2)(a)
Subject: Rainbow Crossing

Glenn

I write in response to your email below.

As part of this proposal we do not consider that the rainbow colours constitute a zebra crossing (because they are not white) and are considering them solely as a different coloured and patterned surface as has been used at other

signalised crossings to highlight the crossing. For obvious reasons we have some concerns that pedestrians may still interpret the marking as an area where they have priority and have therefore introduced a number of controls to reduce speed and limit conflict as far as reasonably practical.

This includes raising the intersection, speed cushions on both approaches and the intersection working on the dwell on red, rest in ped principle. Therefore, any driver approaching the intersection triggers the vehicle phase rather than the more traditional system whereby pedestrian trigger the pedestrian phase. We are also providing pedestrians with extended WALK times to try to encourage the majority of vehicles to avoid the area unless absolutely necessary.

Attached is an approved concept at this stage. Whilst there are no specific restrictions on distribution of this attachment we would appreciate if it is not shared publically at this stage.

Kind Regards,

s9(2)(a)

Network & Safety Services Manager
South East Precinct
Network & Safety Services

s9(2)(a)

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Roads & Maritime Services
Level 44, 680 George Street
Sydney, NSW 2000

From: Glenn Bunting [<mailto:Glenn.Bunting@nzta.govt.nz>]
Sent: Tuesday, 3 July 2018 9:01 AM
To: s9(2)(a)
Subject: RE: Rainbow crossings - a summary

Hi s9(2)(a) – we are still battling away with this issue here in Wellington, but then I found this <http://www.abc.net.au/news/2018-06-21/rainbow-crossing-returns-to-sydney/9893944> online over the weekend – do you have any information on how this proposed installation is meeting ADR81? – I see it’s a ‘trial’, but it still seems to be at a signalised crossing, so how is the conflict between a marked striped pedestrian crossing giving pedestrians priority over vehicles being managed in the context of a conflicting green signal for vehicles at the same time? This arrangement is the same as being proposed here in Wellington, albeit not on a curved alignment.

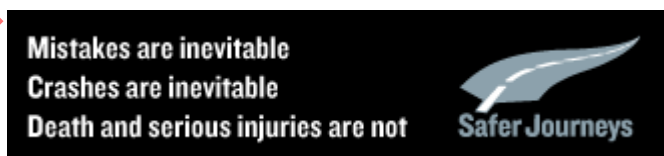
Cheers, Glenn

Glenn Bunting / Manager Network Safety
Safety and Environment

s9(2)(a)

E glenn.bunting@nzta.govt.nz / w nzta.govt.nz

Chews Lane / Victoria Arcade, 50 Victoria Street,
Private Bag 6995, Wellington 6141, New Zealand



From: s9(2)(a)
Sent: Thursday, 5 April 2018 6:11 PM
To: Glenn Bunting <Glenn.Bunting@nzta.govt.nz>; s9(2)(a)
s9(2)(a)
Subject: RE: Rainbow crossings - a summary

Hi All

I can confirm that RMS still don't allow rainbow pedestrian crossings, in accordance with ARR 81 as s9(2)(a) mentions below.

Thanks s9(2)(a)

Kind regards

s9(2)(a)

From: Glenn Bunting [mailto:Glenn.Bunting@nzta.govt.nz]
Sent: Wednesday, 4 April 2018 10:02 AM
To: s9(2)(a)
Cc: s9(2)(a)
Subject: Re: Rainbow crossings - a summary

That's fantastic thanks s9(2)(a) - much appreciated.

Cheers, Glenn

Sent from my iPad

On 3/04/2018, at 7:06 PM, Excell s9(2)(a) wrote:

Hi Glenn,

I received the following from DPTI's traffic area s9(2)(a) which is a fantastic summary of what has happened to date. If there has been other newer developments in other state authorities I will leave it to you to add further information

Attached is a list of what DPTI is aware of 'rainbow crossings' in Australia. No record of permanent rainbow coloured stripes used on a zebra or wombat crossing as under the Australian Road Rules definition of a pedestrian crossing, such a crossing must have white stripes running lengthwise across the road.

The following article refers to a couple of zebra crossings in NSW which were temporarily painted in rainbow colours but notes that RMS (Kellee to confirm if still current) do not allow rainbow pedestrian crossings:
<https://www.coffscoastadvocate.com.au/news/rainbow-crossing-at-bellingen-to-be-repainted/3242597/>

Plans for a rainbow pedestrian crossing in Newcastle were also not supported, and a rainbow was painted on footpath in Islington Park instead
<https://www.newcastlestar.com.au/story/3289211/newcastle-council-over-the-rainbow/>
<http://www.nbnnews.com.au/2016/11/03/rainbow-walk-open-in-islington-park/>

<image002.png>

The above picture is of the marked foot crossing on Oxford Street, Darlinghurst NSW near Taylor Square, which was temporarily installed to commemorate the 35th anniversary of the Sydney Gay Mardi Gras. The stripes were removed in April 2013 after road safety concerns were raised and a number of incidents were recorded by CCTV cameras at the site. Rainbow markings, in the form of outlining of pavers in rainbow colours, were marked later in 2013 on the footpath (away from the road) in Summer Hill Square by Ashfield Council, NSW.

<https://www.google.com.au/maps/@-33.8910611,151.1382968,3a,75y,217.94h,72.63t/data=!3m6!1e1!3m4!1snzW2TAc8n8pyTP92cNZf2A!2e0!7i13312!8i6656>

Victoria

Rainbow markings are painted on the footpath at the intersection of Smith St and Gertrude St, Fitzroy.

https://www.google.com.au/maps/@-37.8064035,144.9829168,3a,75y,230.09h,69.63t/data=!3m6!1e1!3m4!1s_crvFfR6r1D8A0APSJcbqA!2e0!7i13312!8i6656

Qld

Cairns Regional council temporarily installed rainbow markings at the marked foot crossing on the Cairns Esplanade in September 2016 for the Cairns Tropical Pride Festival in October 2016.

<http://www.cairns.qld.gov.au/media-archive/home/media-releases/archive/rainbow-crossing>

Google location: [https://www.google.com.au/maps/@-](https://www.google.com.au/maps/@-16.9203259,145.7776569,3a,75y,125.53h,77.73t/data=!3m6!1e1!3m4!1shzXieWNTgZzNXivc4ZM9Mw!2e0!7i13312!8i6656)

[16.9203259,145.7776569,3a,75y,125.53h,77.73t/data=!3m6!1e1!3m4!1shzXieWNTgZzNXivc4ZM9Mw!2e0!7i13312!8i6656](https://www.google.com.au/maps/@-16.9203259,145.7776569,3a,75y,125.53h,77.73t/data=!3m6!1e1!3m4!1shzXieWNTgZzNXivc4ZM9Mw!2e0!7i13312!8i6656)

NT

Rainbow markings were painted at the scramble crossing at the intersection of Knuckey and Smith St, Darwin for Pride Week, September 2017

<http://www.ntnews.com.au/lifestyle/darwin-cbd-rainbow-crossing-to-stay-at-least-a-year-after-darwin-city-council-decision/news-story/cda45348ee39e1d6374a4a9068395ca4>

SA

Rainbow markings are painted on the footpath at Light Square, Adelaide

https://www.google.com.au/maps/@-34.9245651,138.592966,3a,65.2y,300.02h,80.62t/data=!3m6!1e1!3m4!1sU2LD0pTfTaNBuDrU9_VdDg!2e0!7i13312!8i6656

DPTI checking with MS12 Committee members today and will advise if they can provide any further information in relation to where else they maybe installed but generally they are not supported on roadways nor conform to the current ARR's.

I hope this helps

Regards

Regards

s9(2)(a)

Director,
Portfolio, Program and Project Management Office
People and Business
Department of Planning, Transport and Infrastructure

s9(2)(a)

• www.dpti.sa.gov.au

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From: Glenn Bunting [<mailto:Glenn.Bunting@nzta.govt.nz>]

Sent: Wednesday, 28 March 2018 6:19 AM

To: s9(2)(a)

Subject: Rainbow crossings?

Hi guys – thanks for all the useful feedback on filter turns last month.

This month’s question! – does any state have rainbow pedestrian crossings in place (supporting LGBT community), and if so, are they supported by any legislative provision? We are being challenged by a local authority who intend to install one, and they have asserted that they are in Australia so we should change our Traffic Control Devices Rule to provide for them too.

Any comments really appreciated guys.

Cheers, Glenn

Glenn Bunting / Manager Network Safety
Safety and Environment

DDI s9(2)(a) | s9(2)(a)
E glenn.bunting@nzta.govt.nz / W nzta.govt.nz

Chews Lane / Victoria Arcade, 50 Victoria Street,
Private Bag 6995, Wellington 6141, New Zealand

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