

Rebecca Watson

From: official information
Sent: Wednesday, 27 February 2019 14:55
To: [REDACTED]
Cc: official information
Subject: Re: LGOIMA 19010: LED Lighting

Good afternoon,

Further to your information request of 14 January 2019, clarified on 8 February 2019, in respect of LED Lighting, I am now able to provide Hamilton City Council's response.

You requested:

What is the street lighting standards that Hamilton City Council follows?

- *New lights are being placed on old pole.*
- *There are poles that are not compliant.*

What is the underpass lighting standards that Hamilton City Council follows?

- *Lighting in the walkway of Cobham drive - North side is lit and the South end is not – Why?*
- *Is it dimmed at night when not occupied?*

Here are a few items that I will add, after your call, I drove through to Arthur Porter Drive – OIA I will ask the following questions:

1. *One pole at a roundabout is damaged and fixture is twisted, been in that condition since June 2018*
2. *Street light poles are located too close to the kerbs, they should have been behind the footpath.*
3. *Does anyone address traffic hazards?*
4. *Why are there three roundabout different in design? It is an industrial area.*

The lighting at the Porters yard has a strong and dazzling bright light facing the Waikato Expressway, are we waiting for accident to take place before any action is taken. This is a common feature of lot of lighting in our city and whole of NZ. NZTA should also be required to bring better standards on reducing glare or stray/spill lighting.

Our response:

All street lighting designs are done in accordance with Standard NZ 1158 'Lighting for Roads and Public Spaces' and the Regional Infrastructure Technical Specification (RITS). The RITS sets out the standards for design and construction of public infrastructure agreed and applied by the eight Waikato councils that comprise Waikato Local Authority Shared Services (WLASS). A link to the RITS is provided below.

<http://waikatolass.co.nz/wp-content/uploads/2019/01/Regional-Infrastructure-Technical-Specification-V1.0.pdf>

All the installed LED lights meet the M30 NZTA specification.

All electrical connections are WEL Networks approved and meet WEL's Network Connection Standards. All electrical connections to existing poles are completed in accordance with AS/NZS 3000: Electrical Standards using qualified electricians and linesmen to undertake this electrical work.

Staff are not aware of any poles that are non-complaint and all poles are regularly inspected for maintenance and safety.

What is the underpass lighting standards that Hamilton City Council follows?

- **Lighting in the walkway of Cobham drive - North side is lit and the South end is not – Why?**
- **Is it dimmed at night when not occupied?**

As above all designs for lighting are in accordance with Standard NZ 1158 and the Regional Infrastructure Technical specification.

We can confirm that there is lighting at both ends (i.e. North & South) of the Cobham Drive underpass. The lights in the underpass are not dimmed at night, due to concerns this would negatively impact the safety of underpass users.

Specific responses to questions/comments raised about Arthur Porter Drive:

1. One pole at a roundabout is damaged and fixture is twisted, been in that condition since June 2018

This street light pole was identified as damaged by our maintenance team in September 2017, visually inspected at this time and deemed structurally sound. This pole was last inspected February 2019 and there is no apparent change to the integrity of the pole.

The intention is to replace this street light pole, however it is a lower priority than replacing poles which have been completely destroyed and will be replaced in due course.

2. Street light poles are located too close to the kerbs, they should have been behind the footpath.

Streetlight poles in this area were installed in accordance with infrastructure standards at the time of consent. The current infrastructure standard which Hamilton City Council complies with requires streetlights to be installed 1-1.2m from face of kerb to centre of pole. Standards at present do not require streetlight poles to be located behind the footpath.

3. Does anyone address traffic hazards?

Pre-construction our City Development team require road safety audits to be carried out on detailed design plans. Staff from our City Transportation team can also be involved in reviewing the road safety audits as required. Post-construction staff assess issues identified from routine drive overs of the network or from information received from the public.

4. Why are there three roundabout different in design? It is an industrial area.

Roundabout design is based on context and traffic environment which includes likely loading/usage. Geometry of each roundabout is based on likely vehicle tracking curves. For example, tracking curves for the northern most roundabout would differ from the southern most roundabout. This is to allow vehicles to manoeuvre in a safe manner, particularly heavy vehicles with varying axle and load combinations.

5. The lighting at the Porters yard has a strong and dazzling bright light facing the Waikato Expressway, are we waiting for accident to take place before any action is taken. This is a common feature of lot of lighting in our city and whole of NZ. NZTA should also be required to bring better standards on reducing glare or stray/spill lighting.

Section 25.6 of the District Plan has clear guidance around lighting glare from properties affecting adjoining properties and road corridors. The issue you have raised has been logged in our system and compliance staff from Planning Guidance will be contacting Porters about the issue you have raised.

Kind regards,

Amy Viggers

On behalf of the Privacy Officer

DDI: 07 8386727 | Email: amy.viggers@hcc.govt.nz



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From: [REDACTED]
Sent: Friday, 8 February 2019 3:18 PM
To: Amy Viggers <Amy.Viggers@hcc.govt.nz>
Cc: official information <officialinformation@hcc.govt.nz>
Subject: RE: LGOIMA 19010: LED Lighting

Amy,

Many thanks for taking the time to chat and write.

Yes I am very concerned how/why our road system is no better than many developing countries.

I think our specs. are old and need to be upgraded to current standards.

Here are a few items that I will add, after your call, I drove through to Arthur Porter Drive – OIA I will ask the following questions:

5. One pole at a roundabout is damaged and fixture is twisted, been in that condition since June 2018
6. Street light poles are located too close to the kerbs, they should have been behind the footpath.
7. Does anyone address traffic hazards?
8. Why are there three roundabout different in design? It is an industrial area.
9. The lighting at the Porters yard has a strong and dazzling bright light facing the Waikato Expressway, are we waiting for accident to take place before any action is taken. This is a common feature of lot of lighting in our city and whole of NZ. NZTA should also be required to bring better standards on reducing glare or stray/spill lighting.

Please do not blame the Civil works, what is the expected result of finished work on any site.

When there is a pothole on the road, the civil repair contractors shovel mixed tar in the hole and stomp with their foot. What is expected spec. on repair and maintenance work.

Thanks again,

[REDACTED]

From: Amy Viggers <Amy.Viggers@hcc.govt.nz>
Sent: Friday, 8 February 2019 1:48 PM
To: [REDACTED]
Cc: official information <officialinformation@hcc.govt.nz>
Subject: RE: LGOIMA 19010: LED Lighting

Good afternoon,

Thank you for talking with me earlier today concerning your information request in respect of LED Lighting.

I write to confirm our understanding of your information request to be the below:

- What is the street lighting standards that Hamilton City Council follows?
 - New lights are being placed on old pole.
 - There are poles that are not compliant.
- What is the underpass lighting standards that Hamilton City Council follows?
 - Lighting in the walkway of Cobham drive - North side is lit and the South end is not – Why?
 - Is it dimmed at night when not occupied?

Please be advised that your request, as understood above, has been passed on to the relevant team within Council and you will be informed of the outcome.

The Local Government Official Information and Meetings Act 1987 requires that we advise you of our decision on whether the Council will provide the requested information or not “as soon as reasonably practicable”, no later than 20 working days after the day we received your request. We will respond to you no later than 8 March 2019.

Kind regards,

Amy Viggers

On behalf of the Privacy Officer

DDI: 07 8386727 | Email: amy.viggers@hcc.govt.nz



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From: Amy Viggers

Sent: Thursday, 24 January 2019 8:51 AM

To: [REDACTED]

Cc: official information <officialinformation@hcc.govt.nz>

Subject: HPE CM: LGOIMA 19010: LED Lighting

Good Morning,

I write to acknowledge your information request of 14 January 2019 in respect of LED Lighting, that was transferred to Hamilton City Council on 15 January 2019 by NZTA.

We are unsure of the information that you are seeking from Hamilton City Council, therefore we are seeking further clarification of your request.

The following points may be helpful to consider when clarifying your request. Are you seeking:

- Underpass lighting design and construction standards of Hamilton City Council.
- Lighting design and construction standards of Hamilton City Council.
- General maintenance of the Cobham Drive underpass (including lighting).

Please note by amending or clarifying your request, this will be considered to be a new request for the purpose of calculating the maximum statutory timeframe for response—see section [15(1AA) of the OIA / 13(7) of the LGOIMA].

Yours sincerely

Kind regards,

Amy Viggers

On behalf of the Privacy Officer

DDI: 07 8386727 | Email: amy.viggers@hcc.govt.nz



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From: [REDACTED]

Sent: Tuesday, 15 January 2019 8:08 AM

To: [REDACTED]

Cc: [REDACTED]

Subject: RE: Watch "Panelux JNR Tunnel Lights" on YouTube

Dear [REDACTED]

Further to your email query in regard to lighting of the recently constructed Cobham Drive Pedestrian Underpass, please find attached a copy of our January 2018 response to your OIA enquiry which confirm the product (Pracht Troja N series) and designer (Odyssey Energy 2090 Ltd). I have been advised that the fittings are IP66 rated. The project team has further advised that Hamilton City Council has taken over general maintenance of the underpass (including lighting) with the NZ Transport Agency being responsible for the structural integrity of the underpass. Thus all relevant information relating to the underpass is now held by HCC.

I will let HCC respond to your comments regarding design and construction standards on their network.

Kind regards

[REDACTED]

[REDACTED] National Traffic & Safety Engineer

Safe & Sustainable Transport Team

System Design & Delivery Group

[REDACTED]
[REDACTED] www.nzta.govt.nz



From: [REDACTED]

Sent: Monday, 14 January 2019 4:45 PM

To: [REDACTED]

Subject: Watch "Panelux JNR Tunnel Lights" on YouTube

Sorry about the error.

Under OIA request - I was going to write to new CEO of NZTA, but decided to give you an opportunity to reply. There are many intersections littered with hazardous poles when they could be lit with high mast poles located on the berm.

Good examples are – M2PP – Mackays to Peka Peka Expressway SH1, Mercer intersection, Ohinewai/Waikato expressway, Tahuna Rd, littered with poles. WHY?????

This MAINTENANCE/REPAIR cost has many implications, please look at what they are???????? I will take one road only for now in Te Kowhai.

There are numerous intersections with very poor roadworks as an example Te Kowhai and Koura Dr. at Burbush, these roads have been repaired MANY TIMES.

Please monitor the repair work, the contractor takes a shovel throws the black top and stomps with his foot, so the trucks are equal to weight of the contracting staff.

This is a regular occurrence in our country. The LED replacement lights are not designed for the light level required. WHY?

Number of private LED flood lighting are very glary especially along the highway. The is a common problem in the country.

The glary lighting is an accident waiting to happen.

The lights do not comply with the standards, location of the poles at the kerbs and the location of the poles in front of the barrier

Under OIA - Can you please tell me what lights were installed and the IP rating, What are the cables used for the LED lighting?

Are they flat TPS or round 3 core NS – Are they wired from cherry-picker or in dry space prior to installation. What glands are used..

The underpass opened on Oct. 20/2017.

I have sent the Melville Underpass youtube – see below please.

Watch "Panelux JNR Tunnel Lights" on YouTube

<https://youtu.be/LrwgUAZpBQg>

From: Chris Allen [<mailto:Chris.Allen@hcc.govt.nz>]

Sent: Sunday, 22 October 2017 10:42 AM

To: [REDACTED]

Subject: RE: Watch "Panelux JNR Tunnel Lights" on YouTube

Hi [REDACTED]

Hope all is well with you

I see that you have copied NZTA in as the Cobham underpass is their project connected to their network. They have done a great job with the underpass which opened last Friday- I am sure they can advise you what lighting was installed

I have passed onto our Transport manager [REDACTED] and our Project Development Manager ([REDACTED]) for their information and consideration when considering these matters.

Regards

From: [REDACTED]
Sent: Saturday, 21 October 2017 2:22 PM
To: Chris Allen; [REDACTED]
Cc: [REDACTED]
Subject: Fwd: Watch "Panelux JNR Tunnel Lights" on YouTube

Chris - hope you a good break this long weekend. A NZTA project.
I do hope that the new Cohbam Drive underpass has energy saving as the Melville underpass.
Please view the you tube presentation.
That is completely NZ designed and made.
[REDACTED]
Hamilton New Zealand

Sent from my Samsung Galaxy smartphone.

Watch "Panelux JNR Tunnel Lights" on YouTube

<https://youtu.be/LrwgUAZpBQg>

Sent from my Samsung Galaxy smartphone.

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