

Report No:	RGB12-09-03
File No:	RD1057
Date:	30 August 2012
<b>Decision Required</b>	

**Report to:** Golden Bay Community Board  
**Meeting Date:** 11 September 2012  
**Report Author:** Steve Elkington, Transportation Project Engineer  
**Subject:** **Iron Works Road Bollard Lighting**

#### EXECUTIVE SUMMARY

Earlier this year the Council's streetlighting contractor carried out maintenance to the bollard lighting in Iron Works Road Onekaka. Some of the lights had been blacked-out and lamps changed. Further to this an e-mail was received in from Cr Bouillir regarding an enquiry from a local resident concerning the current lighting and asking if lower wattage lamps could be installed.

A questionnaire was sent to Iron Works Road residents to ascertain their views on whether bollard lighting is wanted and what support there was for lower wattage lamps or if the general support was for the status quo.

#### RECOMMENDATION

1. That the Golden Bay Community Board receives the Iron Works Road Bollard Lighting report; and
2. Supports lower wattage lamps (bulb) replacing the current 70watt lamps.

#### DRAFT RESOLUTION

1. **THAT the Golden Bay Community Board receives the Iron Works Road Bollard Lighting report; and,**
2. **Approves the trial of 8 watt Compact Florescent lamps to replace the current 70watt sodium lamps in the bollard lights in Iron Works Road.**

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## 1. Purpose

- 1.1 The purpose of this report is to inform the Golden Bay Community Board of the feedback received from residents regarding the footpath bollard lights in Iron Works Road. The report also makes a recommendation as to whether the lamps should either be removed, lower wattage lamps installed or the status quo remain.

## 2. Background

- 2.1 The following was extracted from an e-mail received in June of this year and clearly sets out the issue which lead to developing the questionnaire to review the lights.

*"I have had a call from one of the subdivision residents regarding the bulbs in the lights which are currently 70W sodium ones. Ever since the bollards went in, someone had painted them mostly out with black paint so that just a small amount of light was visible. It would seem a waste of money to keep replacing these high usage bulbs when most of the light is not being utilised. His thought was to replace all the bulbs with power savers of around 8W which he has tried in them and says they are more than adequate. Clearly the residents of the road are into minimal lighting so this resident is requesting replacement with lower cost energy efficient ones. This will save council quite a bit in power costs - something we should be looking at anyway in the face of rising electricity prices. Perhaps it could be looked at for other areas also where bright lighting is not so necessary or desired? Obviously they would need to be warm white rather than cool white (which is very glaring on the eyes)"*

- 2.2 There are four bollard lights which were installed as part of a subdivision consent granted some years ago. There is a footpath along the north western side of Iron Works Road which leads down to the State Highway intersection.
- 2.3 Either some or one resident has been blacking-out or removing lamps due to the nuisance the lighting is causing to their privacy. Also a number of enquires have been fielded over time concerning the lights and their nuisance as well as effect of light pollution to the night sky.
- 2.4 The lighting contractor was finding some of the lanterns were painted out or a low wattage compact fluorescent lamp installed to replace the existing lamp.

### 3. Results of Questionnaire

- 3.1 Covering letters with attached questionnaires were sent to the 30 residential addresses in Iron Works Road. A copy of the covering letter and questionnaire are appended to this report
- 3.2 Residents were asked to select their preference from three options and if they wished, their second preference. Comments were also invited and these are summarised below. The second preference was requested in an endeavour to ensure a clear consensus.
- 3.3 A total of nineteen responses were received and are set out below.

Preference	First preference	Second preference	Total
Lamp (bulb) removed outside/near my property	7	1	8
Lamp (bulb) be replaced with a lower wattage lamp (bulb) emitting less light	6	7	13
Bollard lights remain unchanged with no change to lamp (bulb)	6	0	6
<b>Total number of preferences</b>			<b>27</b>

- 3.4 The following comments have been summarised from the responses:

- Preference is for low lighting.
- Prefer more lighting for pedestrian safety with speed limit 100kph.
- See no need for any lighting along the road.
- One further lamp up the road and bulbs replaced with LED lamps.
- Wonderful if all lights removed as they serve no purpose and would like to enjoy rural living without light pollution.
- Causes nuisance in our bedroom. If can't have light removed then a dimmer light.
- We enjoy our amazing sky here in Onekaka.
- We have no problems with lights and prefer them to conventional street lights.
- We love the light opposite our driveway as it provides security and a marker for our driveway.
- Suggest fitting an 8watt fluorescent bulb.
- A shade is required on the State highway light which lights up the surrounding area including our house 100metres up Iron Works Road.
- There is a safety issue with pedestrians using the path at night and does anyone realise how many children use the path?
- Council insisted the lights be put in as part of the subdivision so what is the point of having a rule if they are going to be taken out?
- The lights are required for children and adult safety and now the area is more built-up with more traffic at night.
- Pleased that the Council has given residents the opportunity to comment.

- 3.5 Clearly a majority of residents would be comfortable with a lower wattage lamp to replace the existing 70 watt lamp.

#### 4. Option

- 4.1 There are four bollard lights along Iron Works Road which all have 70watt sodium lights and which are very bright.
- 4.2 The lights were installed in late 2006 as a requirement for subdivision consent. The lights provide pedestrian lighting only.
- 4.3 The option is to trial 8 Watt Compact Florescent lamps (CFL) in the bollards. One of these has already been installed by a local resident.
- 4.4 The CFL is a low wattage lamp that will emit less light whilst still providing a level of guide lighting.
- 4.5 The CFL lights will emit a white light as opposed to yellow light whilst using less energy.
- 4.6 LED lights were also considered but the cost of upgrading is well in excess of the CFL proposal.

#### 5. Recommendation

- 5.1 That the Golden Bay Community Board receives this report; and,
- 5.2 Approves a lower wattage lamp being installed to replace the existing lamp.

#### 6. Draft Resolution

- 5.1 **THAT the Golden Bay Community Board receives the Iron Works Road Bollard Lighting report; and,**
- 5.2 **Approves the trial of 8 watt Compact Florescent lamps to replace the current 70watt sodium lamps in the bollard lights in Iron Works Road.**

#### Appendices

Appendix 1 – Covering letter and questionnaire sent to Iron Works Road residents.