

Nick Ross

From: Ari Erickson 9(2)(a)
Sent: Wednesday, 20 March 2019 3:27 PM
To: Rob Campbell
Subject: RE: Waioeka Bridge

Awesome Rob,

I did actually have a couple of contractors in mind if necessary. For us, this sort of thing would be a combined effort between our roading contractor, our three waters service provider and our local mechanical engineer.

Collectively they have the plant and the expertise to pull a rig together. Haven't discussed it with them as yet but would be happy to. Probably best to see what Higgins say first.

Good to hear a funding request has gone in and do appreciate the current funding situation and the political implications that come with it.

Thanks again,

Ari Erickson

Engineering & Services Group Manager

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From: Rob Campbell [mailto:Rob.Campbell@nzta.govt.nz]
Sent: Wednesday, 20 March 2019 3:02 p.m.
To: Ari Erickson
Subject: Re: Waioeka Bridge

Thanks Ari,

Some interesting ideas which we are happy to explore further.

The next step might be talk with some suppliers about the practicality of constructing and operating such a proposal. Higgins are usually quite innovative in their approach so I'll start with them but do you have a local supplier in mind who might be suitable? It would be good to find a couple of contractors to talk this through with.

I think the success of this will largely depend on the ability of suppliers to think and operate outside of the norm while still being able to satisfy their legal obligations in terms of ensuring the equipment developed is safe and fit for purpose.

I'll raise it with our suppliers and arrange a time to meet them and yourself on site to discuss more. If you have another team in mind let me know.

FYI I have included a funding request in our annual plan. It is supported in principle at our Regional Director level which is great but will be prioritised against all funding requests at a nationwide level. This will take some time but I'd expect the funding to be confirmed or not in May. You will have received a letter in the last couple of days explaining the constrained funding environment which we currently have, it's very hard to predict how this will play out at this point.

Regards
Rob

Sent from my iPhone

On 14/03/2019, at 5:49 PM, Ari Erickson 9(2)(a) wrote:

Hey Rob,

Have been thinking about the bridge cleaning over the past few weeks and really think there is a less robust cleaning option.

One thing we've noticed is that the dirtiest parts of the balustrade are the southern facing sides, mainly lichen, and it is only the northern face or the northern balustrade that is difficult to clean... which doesn't appear so bad, especially from the perspectives at which its seen.

I had imagined scaffolding could be avoided using a bit of custom ply and steel formwork mounted on a Hiab boom and temporarily affixed through the balustrade.

A couple of suction lines to a tank on the Hiab or separate sucker truck depending on water volume then just a manual clean.

Could go to the extent of fitting the formwork a bit more high spec with its own water blasters to clean the outside edge, maybe you have a few other bridges with similar balustrading to really utilise something like that.

There is still a question surrounding the need for repaint but I could see this being less of an issue if the right chemicals were used and less aggressive water pressure.

Also if this less robust clean could be done more often it might preserve the paint a little longer, really just stop the lichen imbedding so much.

Thanks Rob,

Cheers,

Ari Erickson

Engineering & Services Group Manager

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