

From: Liam Coleman
Sent: Monday, 15 April 2024 11:04 am
To: s 9(2)(a); s 9(2)(a) @heb.co.nz; Brodie Neville; Greg Rose-Innes
Cc: Mark Pinner; Moustafa Al-Ani; Jess McFarlane; Gary Ikin
Subject: RE: MSL 57 - Rangitata Bridge

Ben

Plan is to divert roughly as per the arrows. s 9(2)(a) @heb.co.nz shout out if this is incorrect.

Liam



Liam Coleman | Professional Head (Structures) – Infrastructure

Please Note: I'm dyslexic so you may notice some creative spelling, typos or odd sentences in my emails. If you have any trouble deciphering this email, please feel free to give me a call.

Mobile: s 9(2)(a)

14 Midas Place, Middleton, CHRISTCHURCH 8024. PO Box 6289, New Zealand



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From: s 9(2)(a) @wsp.com>
Sent: Monday, April 15, 2024 10:59 AM
To: Liam Coleman <Liam.Coleman@kiwirail.co.nz>; s 9(2)(a) @heb.co.nz; Brodie Neville <Brodie.Neville@kiwirail.co.nz>; Greg Rose-Innes <Greg.Rose-Innes@kiwirail.co.nz>
Cc: Mark Pinner <mark.pinner@nzta.govt.nz>; Moustafa Al-Ani <Moustafa.Al-Ani@nzta.govt.nz>; Jess McFarlane <Jessica.McFarlane@nzta.govt.nz>; Gary Ikin <Gary.Ikin@kiwirail.co.nz>
Subject: Re: MSL 57 - Rangitata Bridge

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Hi Liam,

Thanks for advising. Where are you planning to shift the river to? Locally ie through the centre spans or to the southern end?

Cheers

s 9(2)(a)

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From: Liam Coleman <Liam.Coleman@kiwirail.co.nz>
Sent: Monday, April 15, 2024 10:06:51 AM
To: s 9(2)(a) @wsp.com>; s 9(2)(a) @heb.co.nz <s 9(2)(a) @heb.co.nz>; Brodie Neville <Brodie.Neville@kiwirail.co.nz>; Greg Rose-Innes <Greg.Rose-Innes@kiwirail.co.nz>
Cc: Mark Pinner <mark.pinner@nzta.govt.nz>; Moustafa Al-Ani <Moustafa.Al-Ani@nzta.govt.nz>; Jessica McFarlane <jessica.mcfarlane@nzta.govt.nz>; Gary Ikin <Gary.Ikin@kiwirail.co.nz>
Subject: MSL 57 - Rangitata Bridge

s 9(2)(a)

Wearing your SMC/NZTA hat bit of an updated on the rail bridge. HEB's and Paul Smiths Civils have been commissioned with the recovery works for the rail bridge. Paul Smiths started onsite yesterday with a plan to move the river to the South . As you can appreciate this is to dry out KiwiRails Pier 8 location to get a "pigsty" temporary prop and new piers in place.

KiwiRail and the Contractors are mindful we are diverting the river to parts of the NZTA bridge which may not have experienced the river this way for a few years or ever. With any braded river the watercourse can choose to do this at any point but Is there any known issues on the south south side of the NZTA bridge we need to be aware of and may need to address not to impact the NZTA bridge.

As a side note to the North the NZTA bridge has some debris build up and localised scouring. I have asked If the contractor can remove this debris.

FYI

s 9(2)(a) @heb.co.nz is the lead contractor contact
@Brodie Neville – Structures Production Manager for the Initial Recovery
@Greg Rose-Innes – SIE for this bridge

Liam

Liam Coleman | Professional Head (Structures) – Infrastructure

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-LAEmHhHzdJzBITWfa4Hgs7pbKI



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From: Liam Coleman
Sent: Monday, 15 April 2024 3:44 pm
To: s 9(2)(a); Jess McFarlane
Cc: Mark Pinner; Moustafa Al-Ani
Subject: FW: river diversion progress this morning
Attachments: JFRR5583.JPG; VGGN1976.JPG

s 9(2)(a)

River diversion as of 08:30am today. The flows are essentially going through the middle of the NZTA bridge

Liam

Liam Coleman | Professional Head (Structures) – Infrastructure

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From: Greg Rose-Innes <Greg.Rose-Innes@kiwirail.co.nz>
Sent: Monday, April 15, 2024 3:41 PM
To: Liam Coleman <Liam.Coleman@kiwirail.co.nz>; Anne McNoe <Anne.McNoe@kiwirail.co.nz>
Subject: FW: river diversion progress this morning

Some shots from this morning.

Greg Rose-Innes | Bridge and Structures Engineer - Infrastructure

MOB: s 9(2)(a)

14 Midas Place, Middleton, Christchurch 8024, PO Box 6289, New Zealand



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From: s 9(2)(a) [redacted]@heb.co.nz>

Sent: Monday, April 15, 2024 3:29 PM

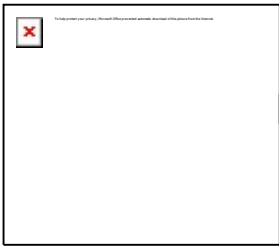
To: Brodie Neville <Brodie.Neville@kiwirail.co.nz>; Greg Rose-Innes <Greg.Rose-Innes@kiwirail.co.nz>; Robert Talarkiewicz <Robert.Talarkiewicz@kiwirail.co.nz>; Stu Ridley <Stuart.Ridley@kiwirail.co.nz>



Subject: river diversion progress this morning

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Will get updated drone shots tomorrow – they have progressed well past this point this afternoon (these were taken around 8:30am) and starting to make a real impact on reducing the river flows at Pier 8.

Regards



s 9(2)(a) [redacted]
Southern Area Manager
HEB Construction Ltd
s 9(2)(a) [redacted]
[heb.co.nz](mailto:s 9(2)(a)@heb.co.nz)  

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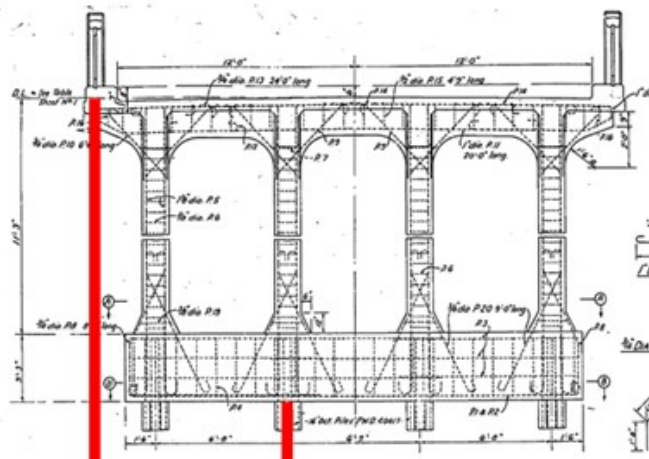
From: Liam Coleman
Sent: Wednesday, 17 April 2024 7:30 am
To: s 9(2)(a); Jess McFarlane; s 9(2)(a) @heb.co.nz
Cc: Mark Pinner; Moustafa Al-Ani; Gary Ikin; Brodie Neville; Greg Rose-Innes; Waldin, Jeremy
Subject: RE: river diversion progress this morning
Attachments: 20240416_024250427_iOS.jpg; 20240416_024109010_iOS.jpg; 20240416_024245913_iOS.jpg; 20240416_041054984_iOS.jpg

s 9(2)(a)

Update from Rangitata from yesterday evening.

- HEB's have diverted the river around our Pier 8 site.
- We have been unable to locate any evidence of pier 8. We dug out about 3m deep (reach of the machine arm) from the current river bed level and 10-30m down stream to no avail. We suspect the pier must be buried deeper than 3m. We are looking to bring in a metal detector to try and locate the pier
- Once we dewatered the site we identified delamination and loss of section to the road bridge. See photos below.
- Noting that the rail bridge piles are likely to be slightly deeper than the road bridge. It suggests the road bridge could be susceptible to similar damage/failure, appreciate the integral design will help.
- I will leave it with you but with the site dewatered it might be a good opportunity to inspect the road bridge. Note this is a HEB's site so if you are attend site can you notify/link up with s 9(2)(a) @heb.co.nz

Liam

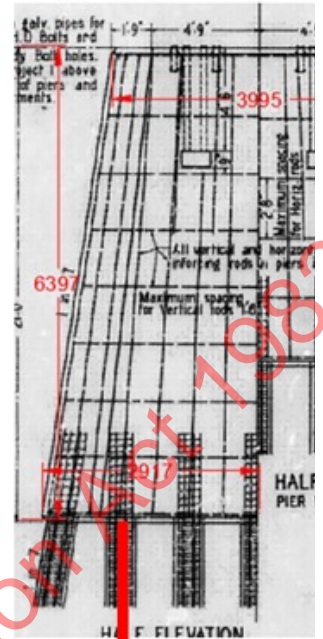


4no. Piles

12.6m

8.2m
Embedment

14.6-16.1m



8.2-9.7m
Embedment



Liam Coleman | Professional Head (Structures) – Infrastructure

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From: Stu Ridley <Stuart.Ridley@kiwirail.co.nz>
Sent: Monday, 27 May 2024 11:47 am
To: Tracy Bell
Cc: s 9(2)(a); Anne McNoe; Ari Jakobs; Gary Ikin; Robert Talarkiewicz; Scott McKenzie; Aaron Kuek (WSP); s 9(2)(a); Stephen Todd; Ross van de Water; Greg Rose-Innes; Brodie Neville
Subject: Bridge 57 MSL - NZTA / KR planning - Meeting Minutes - 27/05/24
Attachments: Bridge 57 MSL - River training exisiting temp works mark Up.pdf; NZT-KR Planning Meeting - 27.05.24.pdf

Hi Tracy,

Some minutes from our meeting earlier, let me know if there's any issues, otherwise please confirm your acceptance. Thanks once again for a smooth collaboration, and once you have an understanding of what you require in terms of the gravel extraction plans, please contact us for a further discussion.

Regards

Stuart Ridley | Construction Manager | Project Delivery Team

DDI: s 9(2)(a)

50 Herbert Street, Greymouth 7805 | PO Box 347, Greymouth 7840, New Zealand



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MEETING MINUTES

Br57 MSL - NZTA KR Planning

Bridge 57 127.204km MSL 127.814km MSL

Date: 27 MAY 2024

Present: Tracy Bell, Aaron Kuek, s 9(2)(a), Anne McNoe, Ross van de Water

Apologies: Scott Mckenzie, s 9(2)(a), Greg Rose Innes

Time: 9:00am – 9:30am - Teams

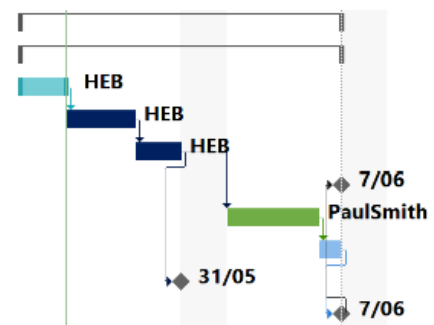
1. KiwiRail Remaining Program,

- HEB to Demobilize Temp works on bridge 57 MSL. (Est. between 27th/05th/24 – 31st/05th/24)
- Demobilize crane and Retreat plant from riverbed. (Est. 31/05/24)
- NZTA to take ownership of river training temp works for their operations from the 31/05/24.
- HEB / Paul Smith to Remove bridge staging area to ford for KiwiRail. (Est. Monday 3rd June)
- HEB / Paul Smith has another go at looking to see if we can find the old bridge pier, after ramp removed.
- KiwiRail emergency works Est. Completion date (07th/05th/24)

2. NZTA Proposed Scope

- Begins in 2 weeks' time to place proposed rock protection and structural repairs to SH 1 Road Bridge.
- Gravel extraction works – Discussion to be revisited with Scott when he is back of Holliday, nothing programmed currently.

◀ Rangitata River Emergency Works	12 days	Sat 25/05 Fri 7/06/2
◀ Demobilisation - KiwiRail / HEB	12 days	Sat 25/05 Fri 7/06/2
Pier 8 Load Transfer	2 days	Sat 25/05 Sun 26/05
Remove tempworks	3 days	Mon 27/05 Wed 29/05
De-mob Crane	2 days	Thu 30/05 Fri 31/05/5
De-mob HEB	0 days	Fri 7/06/2 Fri 7/06/2 11
Remove Staging area	4 days	Mon 3/06 Thu 6/06/6
Look for old bridge pier	1 day	Fri 7/06/2 Fri 7/06/2 8
NZTA take ownership Temp Works	0 days	Fri 31/05, Fri 31/05, 6
KiwiRail Emergency Works Completion.	0 days	Fri 7/06/2 Fri 7/06/2 9



3. Temp works

We had appointed Greg Rose Innes as our temp works coordinator to manage our risks to the bridge, river training and temporary underpinning.

- Permanent Underpinning works are complete Temp works management no longer required.
- Temporary works responsibilities for river training are being transferred to NZTA.
- Markup of existing temp works attached to minutes.

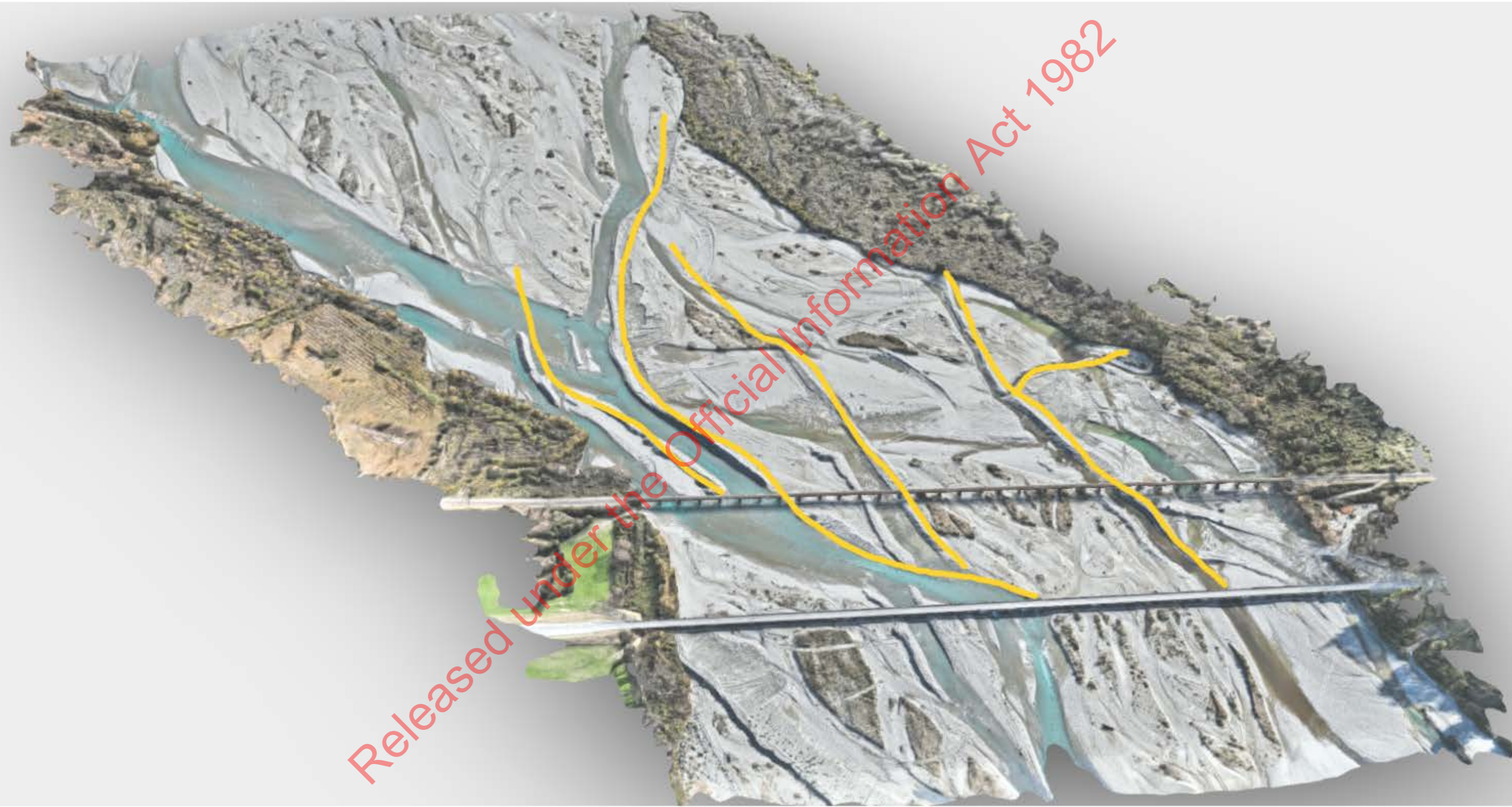
- The transfer is effective from Friday, 31st May 2024

- NZTA will be responsible for the management of works related to river training.

Meeting Closed: 9:25am

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From: Tracy Bell
Sent: Monday, 27 May 2024 11:52 am
To: Stu Ridley
Cc: s 9(2)(a); Anne McNoe; Ari Jakobs; Gary Ikin; Robert Talarkiewicz; Scott McKenzie; s 9(2)(a) (WSP); s 9(2)(a); s 9(2)(a); s 9(2)(a); Greg Rose-Innes; Brodie Neville
Subject: RE: Bridge 57 MSL - NZTA / KR planning - Meeting Minutes - 27/05/24

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Thanks Stu

This looks good to me.

s 9(2)(a) please note the site becomes NZTA/Downer Site as of the 31 May 2024

Ngā mihi aroha / Regards

Tracy-Leigh Bell (she/her)
Maintenance Contract Manager SC NOC (ACTING)
Network Manager Structures & Projects
B.Arts, Dip Eng Tech

s 9(2)(a)
E tracy.bell@nzta.govt.nz / W nzta.govt.nz

C/o Downers Office / 86 Meadows Road, Washdyke
TIMARU 7940



From: Stu Ridley <Stuart.Ridley@kiwirail.co.nz>
Sent: Monday, May 27, 2024 11:47 AM
To: Tracy Bell <Tracy.Bell@nzta.govt.nz>
Cc: s 9(2)(a) @heb.co.nz; Anne McNoe <Anne.McNoe@kiwirail.co.nz>; Ari Jakobs <Ari.Jakobs@kiwirail.co.nz>; Gary Ikin <Gary.Ikin@kiwirail.co.nz>; Robert Talarkiewicz <Robert.Talarkiewicz@kiwirail.co.nz>; Scott McKenzie <Scott.McKenzie@nzta.govt.nz>; s 9(2)(a) @wsp.com; s 9(2)(a) @wsp.com; s 9(2)(a) @downer.co.nz; s 9(2)(a) @downer.co.nz; Greg Rose-Innes <Greg.Rose-Innes@kiwirail.co.nz>; Brodie Neville <Brodie.Neville@kiwirail.co.nz>
Subject: Bridge 57 MSL - NZTA / KR planning - Meeting Minutes - 27/05/24

Hi Tracy,

Some minutes from our meeting earlier, let me know if there's any issues, otherwise please confirm your acceptance. Thanks once again for a smooth collaboration, and once you have an understanding of what you require in terms of the gravel extraction plans, please contact us for a further discussion.

Regards

Stuart Ridley | Construction Manager | Project Delivery Team

s 9(2)(a)
50 Herbert Street, Greymouth 7805 | PO Box 347, Greymouth 7840, New Zealand



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From: Stu Ridley <Stuart.Ridley@kiwirail.co.nz>
Sent: Wednesday, 3 July 2024 12:56 pm
To: Mark Pinner
Cc: Anne McNoe
Subject: Bridge 57 MSL - Information / temp works hand over
Attachments: Bridge 57 MSL - NZTA / KR planning - Meeting Minutes - 27/05/24; Bridge 57 MSL - River training existing temp works mark Up.pdf; NZT-KR Planning Meeting - 27.05.24.pdf; RE: Bridge 57 MSL - NZTA / KR planning - Meeting Minutes - 27/05/24

You don't often get email from stuart.ridley@kiwirail.co.nz. [Learn why this is important](#)

Hi s 9(2)(a)

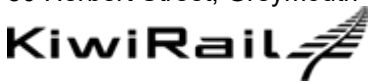
Thank you for our discussion earlier. I have attached the minutes from our meeting (27.05.24) with NZTA, KR, WSP, Downer, and HEB for your reference. I have copied our Senior RMA Advisor on this email for any further questions related to stakeholders. We would be pleased to arrange a Q&A session between our delivery team and your delivery team to share our lessons learned from working on the riverbed, ensuring a thorough knowledge, and understanding of our experiences.

Regards

Stuart Ridley | Construction Manager | Project Delivery Team

s 9(2)(a)

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From: [Stu Ridley](#)
To: [s 9\(2\)\(a\) \(Metsolutions\)](#)
Cc: [Mark Pinner](#); [s 9\(2\)\(a\)](#); [Anne McNoe](#); [s 9\(2\)\(a\)](#); [Greg Rose-Innes](#); [Tracy Bell](#); [Scott McKenzie](#)
Subject: RE: Rangitata River flow - update Fri 5 July
Date: Monday, 8 July 2024 10:30:57 am
Attachments: [image001.png](#)

Hi [s 9\(2\)\(a\)](#)

The below contacts would be the ones I'd like you to carry on notifying of any potential upcoming events.

Greg.Rose-Innes@kiwirail.co.nz

[s 9\(2\)\(a\)](#) @heb.co.nz

Stuart.Ridley@kiwirail.co.nz

anne.mcnoe@kiwirail.co.nz

Tracy.Bell@nzta.govt.nz

Scott.McKenzie@nzta.govt.nz

mark.pinner@nzta.govt.nz

Kind Regards

Stuart Ridley | **Construction Manager | Project Delivery Team**

[s 9\(2\)\(a\)](#)

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From: [s 9\(2\)\(a\)](#) @metsolutions.co.nz>

Sent: Monday, July 8, 2024 9:05 AM

To: [Stu Ridley](#) <Stuart.Ridley@kiwirail.co.nz>; [s 9\(2\)\(a\)](#) @heb.co.nz>

Subject: Re: Rangitata River flow - update Fri 5 July

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Stu can you please send a list who to send these too. Thanks.

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From: [Stu Ridley](#) <StuartRidley@kiwirail.co.nz>

Sent: Monday, July 8, 2024 8:46:01 am

To: [s 9\(2\)\(a\)](#) @metsolutions.co.nz <[s 9\(2\)\(a\)](#) @metsolutions.co.nz>; [s 9\(2\)\(a\)](#)

@heb.co.nz>

Subject: RE: Rangitata River flow - update Fri 5 July

Hi s 9(2)(a)

KR are keeping these up and running for a little while longer. I think s 9(2)(a) also wants to stay in the loop too.

Kind Regards

Stuart Ridley | Construction Manager | Project Delivery Team

s 9(2)(a)

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From: s 9(2)(a) [@metsolutions.co.nz](mailto:s 9(2)(a)@metsolutions.co.nz) <s 9(2)(a)@metsolutions.co.nz>

Sent: Monday, July 8, 2024 7:53 AM

To: s 9(2)(a) [@heb.co.nz](mailto:s 9(2)(a)@heb.co.nz)

Cc: Stu Ridley <Stuart.Ridley@kiwirail.co.nz>

Subject: RE: Rangitata River flow - update Fri 5 July

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Thanks s 9(2)(a). I have copied in Stu at KiwiRail – who requested to keep them going.

Unless I hear otherwise, I won't send any more updates.

s 9(2)(a)

s 9(2)(a)

Engineering Meteorologist

Meteorology Solutions Limited

s 9(2)(a)

s 9(2)(a) [@metsolutions.co.nz](mailto:s 9(2)(a)@metsolutions.co.nz)

From: s 9(2)(a) [@heb.co.nz](mailto:s 9(2)(a)@heb.co.nz)

Sent: Monday, July 8, 2024 7:41 AM

To: s 9(2)(a) [@metsolutions.co.nz](mailto:s 9(2)(a)@metsolutions.co.nz)

Subject: RE: Rangitata River flow - update Fri 5 July

Hi s 9(2)(a)

Not sure if anyone has been in touch regarding an update to works here? We at HEB have completed our works and no longer require the updates. But that isn't to say that Kiwirail is still requiring updates. Might be worthwhile checking in with them.

Cheers.

From: s 9(2)(a) @metsolutions.co.nz <s 9(2)(a) @metsolutions.co.nz>
Sent: Friday, July 5, 2024 4:36 PM
To: 'Greg Rose-Innes' <Greg.Rose-Innes@kiwirail.co.nz>; 'Liam Coleman' <Liam.Coleman@kiwirail.co.nz>; 'Bernie Flaherty' <Bernie.Flaherty@kiwirail.co.nz>; s 9(2)(a) @heb.co.nz; s 9(2)(a) @heb.co.nz; 'Stu Ridley' <Stuart.Ridley@kiwirail.co.nz>; s 9(2)(a) @novaredesign.com; Brodie.Neville@kiwirail.co.nz; andrew.bruce@kiwirail.co.nz; s 9(2)(a) @heb.co.nz; 'Tracy Bell' <Tracy.Bell@nzta.govt.nz>; 'Scott McKenzie' <Scott.McKenzie@nzta.govt.nz>
Subject: Rangitata River flow - update Fri 5 July

Good afternoon

The Rangitata forecast flow model is currently down – but expect low flow levels for the next 7+ days.

The next prospect for rain is not until later next weekend. I will check in again on Monday.

Have a good weekend.

s 9(2)(a)
Engineering Meteorologist
Meteorology Solutions Limited
s 9(2)(a)
s 9(2)(a) @metsolutions.co.nz

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