

Out of scope

From: Jonathan Calder <jcalder@doc.govt.nz>
Sent: Monday, May 22, 2023 3:47 PM
To: Kathryn Pemberton <kpemberton@doc.govt.nz>; Alex Macleod <amacleod@doc.govt.nz>
Cc: Reg Kemper <rkemper@doc.govt.nz>; Aaron Fleming <afleming@doc.govt.nz>; Anita Middlemiss <amidlemis@doc.govt.nz>; Nikki Holmes <nholmes@doc.govt.nz>; David Butt <dbutt@doc.govt.nz>
Subject: Recommended Closure of Blue Pools, Makarora and Rob Roy Suspension Bridges

Hi Alex/Kathryn

Recommended Closure of Blue Pools, Makarora and Rob Roy Suspension Bridges

I've reviewed the work orders and due dates against these bridges and unfortunately I need to recommend the closure of the Blue Pools, Makarora and Rob Roy Suspension bridges. Design is underway by the engineering team for replacement and upgrade work, but the physical work won't be completed for some time. I'm not comfortable to push the upgrade/replacement work due-dates out any further. Can you please enter individual closure work orders for these bridges with the text from this email in the long text of the work order, priority High. The bridges should be securely closed with solid barriers and signage. I recommend this happens before the end of May.

Regards,

Jonathan Calder
 Engineering Manager - Pou Matua Mitanga Kaihanga
 Department of Conservation - Te Papa Atawhai
 DP: 5922(6) | M: 5922(6) | VPN: 5922
 West Coast Tai Poutini Conservancy
 Private Bag 701, Hokitika 7842
 10 Sewell Street, Hokitika 7810
 Conservation for prosperity *Tiakina te taiao, kia puawai*
www.doc.govt.nz

From: Kathryn Pemberton <kpemberton@doc.govt.nz>
Sent: Monday, May 22, 2023 1:46 PM
To: Jonathan Calder <jcalder@doc.govt.nz>
Cc: Alex Macleod <amacleod@doc.govt.nz>
Subject: Bridges

Hi Jono, AMIS information below. Very messy to display sorry. It looks like the first order was changed from High to Medium and then the next 2 were superseded by new orders referencing the previous order/notice. Reference back to the spreadsheet I sent which shows EAM numbers and AMIS numbers etc.

EAM Order #6010847 - Rob Roy suspension Bridge (created in AMIS 19 10 2020) notification created by Peter Mulqueen below. Priority also changed from High to Medium on 12 07 2021 by Bryan at request of engineer.

Date	Time	User	Priority	Remarks
12.07.2021	14:07:43	BRYAN DYNES	Priority	HR Safety Straps
			3	
			2	

EAM Order # 6015517 - Blue Pools Suspension Bridge (created in AMIS 23 03 2022) notification created by Bryan under instruction due to change in timeframes, below (this supersedes previous order 4826630/notice 10397359 also shown under the first screen shots)

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Notification: 10510214 M1
 Notific. Status: NOPR ORAS PLAN
 Order: 5079164

Basic Data Location

Subject
 Maintain Typ: MA10 MA02 Maintenance/servicing required
 Description: Upgrade to unrestricted load capacity

23.03.2022 07:52:13 NZST (BDYNES)
 This notification supersedes WO4826630/Notif 10397359 due to a change in time frames
 "Given new controls on bridge loading and reduced numbers visiting site, probably ok to defer completion of replacement bridge until say June 2023. JC 14 June 2021."
 Regions comment: As per Engineer advice received on 22/3/22 we will now change the due date to June 1st 2023 as recommended by the Engineer.

Reference object
 Functional loc.: DS-38-105-3013 Blue Pools
 Equipment: 100080942 BLUE POOLS SUSPENSION BRIDGE
 Assembly:

15.01.2019 17:39:31 NZST ANITA MIDDLEMISS (AMIDDLEMISS)
 15.01.2019 17:37:54 (AMIDDLEMISS)
 As recommended by Jon Calder. "Within 18 -24 months" from email dated 15 Jan 2019

Previous noti/order

Notification: 10397359 M1
 Notific. Status: NOCO ORAS PLAN
 Order: 4826630

Basic Data Location

Subject
 Maintain Typ: MA10 MA02 Maintenance/servicing required
 Description: Upgrade to unrestricted load capacity

15.01.2019 17:39:31 NZST ANITA MIDDLEMISS (AMIDDLEMISS)
 15.01.2019 17:37:54 (AMIDDLEMISS)
 As recommended by Jon Calder. "Within 18 -24 months" from email dated 15 Jan 2019

Reference object
 Functional loc.: DS-38-105-3013 Blue Pools
 Equipment: 100080942 BLUE POOLS SUSPENSION BRIDGE
 Assembly:

Display Unplanned Maint 4826630: Central Header

Order: PM04 4826630 HRS_DCL HR: Upgrade to unrestricted load

HRS_DCL HR: Upgrade to unrestricted load capacity
 Declined Reason - "Given new controls on bridge loading and reduced numbers visiting site, probably ok to defer completion of replacement bridge until say June 2023. JC 14 June 2021."
 New Notification 10510214 - WO 5079164
 Capex IBC approval received, design parameters being drafted. Safe for public use as per engineers instruction

Sys.Status: TECO MANC NMAT PRC SETC DECL DECN

Order: PM04 4826630 HRS_DCL HR: Upgrade to unrestricted load

Upgrade to unrestricted load capacity
 15.01.2019 17:39:31 NZST ANITA MIDDLEMISS (AMIDDLEMISS)
 15.01.2019 17:37:54 (AMIDDLEMISS)
 As recommended by Jon Calder. "Within 18 -24 months" from email dated 15 Jan 2019
 In CAPEX funding round for 2020/21

Sys.Status: TECO MANC NMAT PRC SETC DECL DECN

EAM Order #6017735 - Makarora Suspension Bridge

Display Unplanned Maint 5079167: Central Header

Order: PM04 5079167 Replace with unrestricted loadbridge

Replace with unrestricted loadbridge
 Capex IBC approval received, design parameters being drafted. Safe for public use as per engineers instruction
 Regions comment: As per Engineer advice received on 22/3/22 we will now change the due date to June 1st 2023 as recommended by the Engineer.

Replace with unrestricted loadbridge
 23.03.2022 08:18:06 NZST (BDYNES)

Sys.Status: REL MANC NMAT PRC SETC SCHED OPEN

HeaderData Operations Components Costs Partner Objects Additional Data

Person responsible
 PlannerGrp: P60 / 50 Southern South Is NZD
 Mn.wk.ctr: S601-R01 / 50 Mt Asping Range..
 Address:

Dates
 Bsc start: 16.11.2022 08:18 Priority: Medium
 Basic fn.: 17.11.2022 08:18 Revision: Y22_M11 2022-11 November

Reference object
 Func. Loc.: DS-38-105-3013 Blue Pools
 Equipment: 100082936 MAKARORA SUSPENSION BRIDGE
 Assembly:

15.01.2019 17:39:31 NZST ANITA MIDDLEMISS (AMIDDLEMISS)
 15.01.2019 17:34:22 (AMIDDLEMISS)
 As recommended by Jon Calder. "Plan for replacement with a new bridge with unrestricted load capacity within any 18 -24 months (15 Jan 2019 email)
 In 2020/21 CAPEX bid

Sys.Status: REL MANC NMAT PRC SETC SCHED OPEN

Order: PM04 5079167 Replace with unrestricted loadbridge

Replace with unrestricted loadbridge
 23.03.2022 08:18:06 NZST (BDYNES)
 This notification supersedes WO 4826631 and Notification 10397358 due to a change in time frames
 "Given new controls on bridge loading and reduced numbers visiting site, probably ok to defer completion of replacement bridge until say June 2023. JC 14 June 2021."

Sys.Status: REL MANC NMAT PRC SETC SCHED OPEN

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Display PM Notification: Maintenance Request

Notification: 10510215 M1
 Notific. Status: NOPR ORAS PLAN
 Order: 5079167

Basic Data Location

Subject
 Maintain Typ: MA10 MA04 Replacement required
 Description: Replace with unrestricted loadbridge
 23.03.2022 08:18:06 NZST (BDINES)
 This notification supersedes WO 4826631 and Notification 10397358 due to a change in time frames
 15.01.2019 17:39:31 NZST ANITA MIDDLEMISS (AMIDDLEMISS)
 15.01.2019 17:34:22 (AMIDDLEMISS)
 As recommended by Jon Calder. "Plan for replacement with a new bridge

Reference object
 Functional loc.: DS-38-105-3013 Blue Pools
 Equipment: 100082936 MAKARORA SUSPENSION BRIDGE
 Assembly:

As recommended by Jon Calder. "Plan for replacement with a new bridge with unrestricted load capacity within any 18 -24 months (15 Jan 2019 email)

Previous Order/Noti (created 21 01 2019 by Anita)

Display PM Notification: Maintenance Request

Notification: 10397358 M1
 Notific. Status: NOCO ORAS PLAN
 Order: 4826631

Basic Data Location

Subject
 Maintain Typ: MA10 MA04 Replacement required
 Description: Replace with unrestricted loadbridge
 15.01.2019 17:39:31 NZST ANITA MIDDLEMISS (AMIDDLEMISS)
 15.01.2019 17:34:22 (AMIDDLEMISS)
 As recommended by Jon Calder. "Plan for replacement with a new bridge with unrestricted load capacity within any 18 -24 months (15 Jan 2019 email)

Reference object
 Functional loc.: DS-38-105-3013 Blue Pools
 Equipment: 100082936 MAKARORA SUSPENSION BRIDGE
 Assembly:

Display Unplanned Maint 4826631: Central Header

Order: FM04 4826631 HRS_DCL - Capex IBC approval recieved, d
 HRS_DCL - Capex IBC approval recieved, design parameters being drafted. Safe for public use as per engineers instruction
 DECLINED REASON - this order has been superseded by a new order due to a change in time frames.
 NEW NOTIFICATION - 10510215
 WORK ORDER - 5079167
 Replace with nonrestricted loadbridge
 Sys.Status: TECO MANC NMAI PRC SEIC DECL DECN

HeaderData Operations Components Costs Partner Objects Additional Data

Person responsible
 PlannerGrp: P60 / 50 Southern South Is
 Mn.wk.ctr: S601-R01 / 50 Mt Aspiring Range..
 Address: NZD

Dates
 Bsc start: 17.08.2022 17:39 Priority: Medium
 Basic fn.: 18.08.2022 17:39 Revision: Y22_M08 2022-08 August

Reference object
 Func. Loc.: DS-38-105-3013 Blue Pools
 Equipment: 100082936 MAKARORA SUSPENSION BRIDGE
 Assembly:

Order: FM04 4826631 HRS_DCL - Capex IBC approval recieved, d
 Replace with nonrestricted loadbridge
 15.01.2019 17:39:31 NZST ANITA MIDDLEMISS (AMIDDLEMISS)
 15.01.2019 17:34:22 (AMIDDLEMISS)
 As recommended by Jon Calder. "Plan for replacement with a new bridge with unrestricted load capacity within any 18 -24 months (15 Jan 2019 email)
 In 2020/21 CAPEX bid

Order: FM04 4826631 HRS_DCL - Capex IBC approval recieved, d
 email)
 In 2020/21 CAPEX bid
 "Given new controls on bridge loading and reduced numbers visiting site, probably ok to defer completion of replacement bridge until say June 2023. JC 14 June 2021."
 Sys.Status: TECO MANC NMAI PRC SEIC DECL DECN

Notifications from EAM for the ones created during EAM are below.

EAM Order #6064125 created by Anita 25.01.2023 – Makarora Suspension Bridge
 Noti 300039079

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SAP Display Notification: 30039079

Notification: 30039079 Notification Type: M1 Maintenance Request Technical Object: 200045940 Priority: Medium System Status: NOPR ORAS 1 Document(s)

General Data Location Data Organizational Data Malfunction Data Task Data Activities Documents

Long Text: 25.01.2023 11:19:36 NZST (AMIDDLEMISS)
Wed 25 Jan 23 11:19 (AMIDDLEMISS - BlueWork)

Report from Nigel, Works Officer: "There's a loose deck board at the TR end of the Makarora bridge. The batten screw and nail have pulled out and when one steps onto the middle of this board it lifts up. It's the centre board.

The existing batten screw is proud of the deck by approx. 15-20mm and is a minor tripping hazard also."

General Data

Coding: METHOD... M020 Casual Observation

Description: Repair loose board

Required Start Date/Time: 25.01.2023 00:00:00

Priority: Medium

Required End Date/Time: 25.01.2023 00:00:00

Technical Object: 200045940 Makarora Suspension Bridge

Technical Object Type: Equipment

Level 2: ... / Blue Pools Walk

Also facing wire needed for side netting.
Also small amount of deck netting replacement needed.

EAM Order # 6078939 created by Shae Tainui 13 04 2023

SAP Display Notification: 30043028

Notification: 30043028 Notification Type: M1 Maintenance Request Technical Object: 200045940 Priority: Medium System Status: NOPR ORAS 0 Document(s)

General Data Location Data Organizational Data Malfunction Data Task Data Activities Documents

Long Text: 13.04.2023 13:48:46 NZST (STAINUI)
Thu 13 Apr 23 13:48 (STAINUI - BlueWork)

1x hanger is broken which has been identified and reported to engineers already.

There are multiple wooden blocks that sit between the handrail pipe and the hangers missing. These blocks are to sit in between the two as well as the U bolts. Would need to cut blocks to size and drill holes for U bolts on site.

Tower support cable rigging screws have not been tied off correctly and for best practice

General Data

Coding: METHOD... M010 Inspection

Description: Maintenance Required

Required Start Date/Time: 13.04.2023 00:00:00

Priority: Medium

Required End Date/Time: 31.01.2024 00:00:00

Technical Object: 200045940 Makarora Suspension Bridge

Technical Object Type: Equipment

Level 2: ... / Blue Pools Walk

Tower support cable rigging screws have not been tied off correctly and for best practice purposes need to be done correctly at next structure maintenance.

There has been a mixture of Stainless Steel wire and wire rope used for the infill mesh, infill mesh is galvanised steel netting. The chemical reaction between the two metals is causing the S/S to start rusting. This should be addressed at the bridge replacement.

Some of the lower tower nuts and bolts were loose, would advise checking and tightening all tower nuts and bolts. This will require working from heights to reach some.

Bridge is getting replaced? If not then the above work will need to be remediated.

Kathryn Pemberton
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Conservation for prosperity *Tiakina te taia, kia puwai*



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