
From: O'Malley Vincent
Sent: Friday 22 October 2021 10:40
To: Chamberlain Greg
Cc: Nea Christian
Subject: RE: Re. Lomanagh South Bridge (KY-N70-050.00).

Greg,
After reviewing the email and attachments from Atkins, I accept the reasoned determination as set out below?
Sincerely
Vincent

From: Chamberlain Greg [REDACTED]
Sent: Friday 22 October 2021 09:36
To: O'Malley Vincent [REDACTED]
Cc: Nea Christian [REDACTED]
Subject: FW: Re. Lomanagh South Bridge (KY-N70-050.00).

Vincent

Having reviewed Paul's email below and having regard to the nature of the works, I recommend that the following reasoned determination can be made:

Having performed screening for Appropriate Assessment in respect of the proposed reactive maintenance works detailed in the email received from Paul O'Donoghue dated the 21st October, 2021, and entitled Re. Lomanagh South Bridge (KY-N70-050.00) I accept the recommendations of Atkins that the proposed reactive maintenance works, individually or in combination with other plans or projects, would not be likely to have a significant effect on any European site in view of the best scientific knowledge and the site's conservation objectives. I determine that an Appropriate Assessment of these proposed works is not required, as it can be excluded on the basis of objective scientific information following the screening done that the proposed works, individually or in combination with other plans or projects, will have a significant effect on any European site.

Kind Regards

Greg

From: O'Donoghue, Paul [REDACTED]
Sent: Thursday 21 October 2021 14:51
To: Chamberlain Greg [REDACTED]
Cc: Nea Christian [REDACTED]; Daly, Vincent [REDACTED]; Jennings, Martin [REDACTED]
Subject: Re. Lomanagh South Bridge (KY N70-050.00).

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Greg

Re. Lomanagh South Bridge (KY-N70-050.00).

In accordance with the Munster Bridge Term Maintenance Contract No. 3, Clause 4.18 the Contractor has been asked to undertake repairs to the damaged parapet at Lomanagh South Bridge (KY-N70-050.00) – see Figure 1.

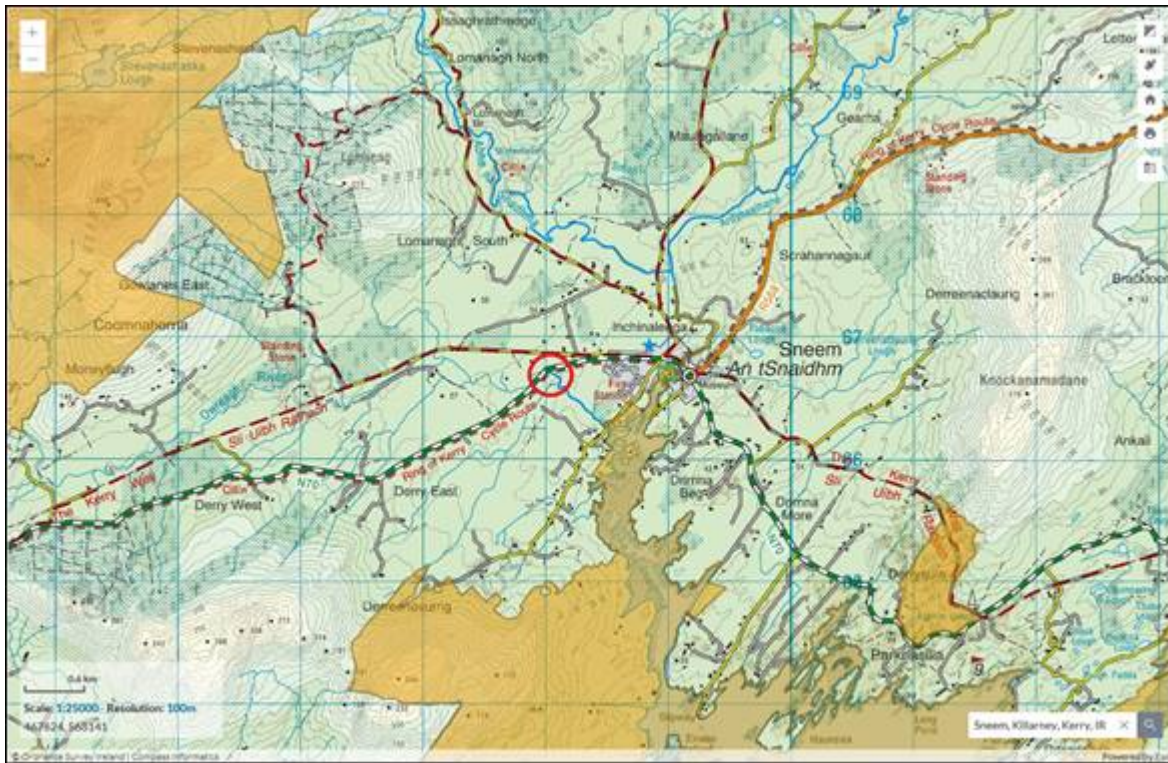


Figure 1 Location of Lomanagh South Bridge [Source: NBDC mapviewer].

Proposed Works

As you can see in the attached photographs, following a vehicle impact, both the south and north parapets have been damaged. A like for like masonry repair is required matching the existing coping. The masonry debris is to be removed from the river bed in front of the wall and where possible reused in the repair. Where not possible similar stone will be sourced for use on site.

The areas noted above are to be taken down and fully rebuilt. Repointing of displacement cracks caused by the impact is not acceptable.

Methods as set out in the Method Statement (attached) are as follows: -

- Set up TTMP as per plan. The road will be reduced to one lane over the area of works. We will use the closed off lane to temporarily store materials for the duration of the works.
- Safety barriers and cones to be placed around the works area.
- Set up scaffold around works area (CSCS certified). Scaffold legs will be kept out of the water.
- Once the scaffold is complete sheets of plywood will be fixed to the scaffold planks to bridge the gap between the scaffold and parapet. The plywood will then be covered in a geo-textile to ensure no rubble or mortar enters the watercourse.

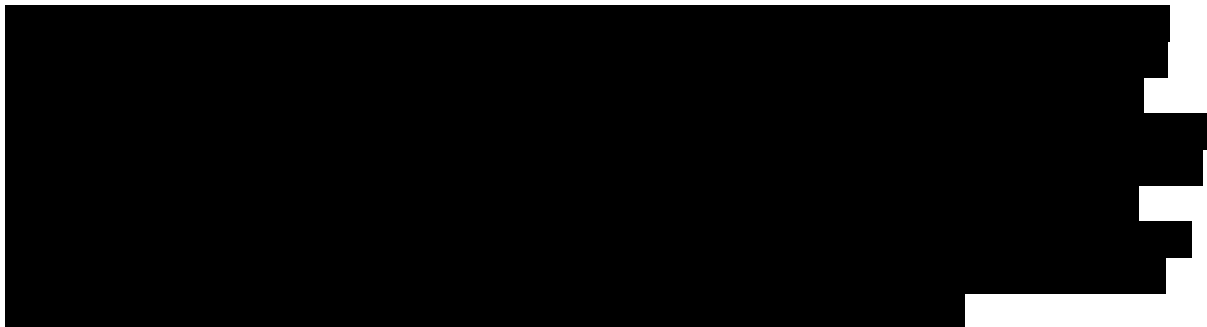
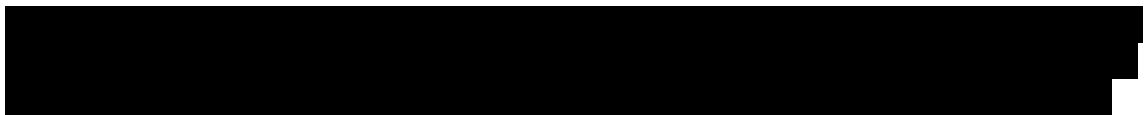
- Starting at the North parapet damaged stone will be removed by hand in controlled manner. Old stone will be retained and re-used where possible.
- Stone will be stored on site in tonne bags.
- All stone and mortar which has fallen into the river bed will be removed by hand.
- Once the damaged areas have been removed re-construction works can begin. The repair will be carried out to match existing.
- Re-instate damaged section of wall.
- Once the damaged section of the wall has been re-built repointing works will then be complete.
- Once the Northern side is complete works will begin on the Southern side and repairs will be carried out in the same way.
- De-mobilisation will begin after the repointing has been completed.
- Materials will be removed off site
- Scaffolding will then be removed.
- TTMP to be removed when works are fully complete.
- Mortar for new and repointing existing masonry work shall be NHL5 lime mortar Mix Reference (a) in accordance with Table 24/4 of Transport Infrastructure Ireland Publication CC-SPW-02400.
- If the temperature is below 4° no work with lime mortar should be carried out (preparation work such as cleaning/hacking out of joints can still be done).
- All joints to be tamped with stiff brush once mortar is stiff
- All stonemasons to have attended 'Masonry Arch Bridge Repair Workshop' or be members of the Guild of Master Craftsmen
- Site clean-up


Ecology Constraints

The bridge is located on the N70 in the townland of Lomanagh South to the west of Sneem, Co. Kerry. It crosses the Owreagh River, a short 4th order river which discharges to the Sneem River estuary south of Sneem (EPA Code - 21O05). River Waterbody WFD Status 2013-2018 at the bridge is defined as Good.

It is not located within a European site. Sneem River estuary to which the Owreagh River discharges is within the Kenmare River SAC (002158). The qualifying interests of Kenmare River SAC can be viewed at - <https://www.npws.ie/protected-sites/sac/002158>.

Killarney National Park, Macgillycuddy's Reeks and Caragh River Catchment SAC (000365) is located ca. 3km to the northwest of the bridge and will not be impacted by the proposed works.





Signs of Otter (*Lutra lutra*) were recorded from the river at Lomanagh South Bridge in 2005 (Source: NPWS otter survey; NBDC) and 2010 (Source: National Otter Survey of Ireland 2010/12; NBDC) – it is assumed that Otter occur within the Owreagh River. Signs of Otter were also recorded during the 2020 bat survey.

There are no records of Japanese knotweed (*Fallopia japonica*), Indian balsam (*Impatiens glandulifera*), Giant hogweed (*Heracleum mantegazzianum*) or Giant-rhubarb (*Gunnera* sp.) (the latter is commonly encountered along the road side west of Sneem). A single plant of *Rhododendron ponticum* can be seen growing a short distance from the bridge on Google StreetView.

The bridge is located on the boundary of 2 no. 1km grid squares. Lesser horseshoe bat (*Rhinolophus hipposideros*) have been recorded from the western square - V6766. There are no records from V6866 (Source: NBDC). The results of a bat survey undertaken in 2020 are attached.

Note: While, there are no mussels under the bridge or within 25m of the bridge, the Contractor will be informed that care must be taken when removing any stone work which has fallen into the river.

Atkins Findings -

This Screening for Appropriate Assessment is based on the best available scientific information. It is concluded that the proposed project poses no likely significant effects on Natura 2000 sites, either alone or in combination with other projects. Thus, it is recommended that it is not necessary for the proposed project to proceed to Appropriate Assessment.

Findings of TII Appropriate Assessment -

Can you please provide a Reasoned Determination?

Paul

Paul O' Donoghue BSc PhD CEnV MCIEEM
Associate Director, Ecology
Ireland

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