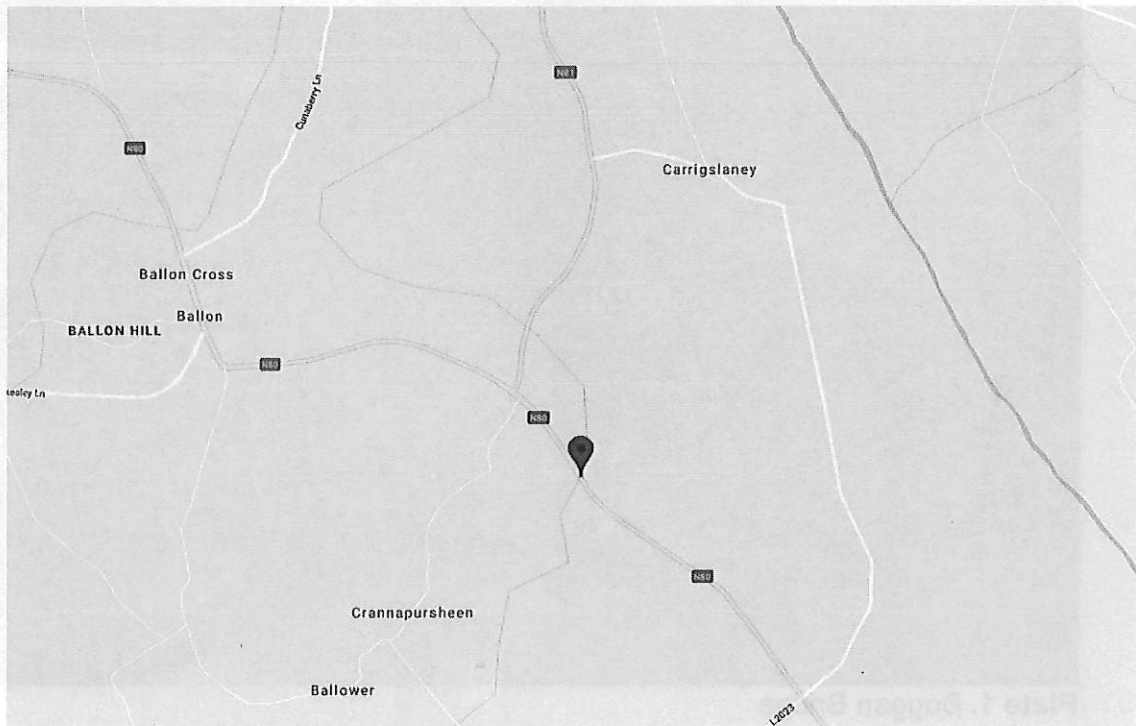


Leinster Bridges Reactive Maintenance

To	: Aidan Farrell Peter King Christian Nea Vincent O'Malley Liam Duffy Nino Belarmaric John Briody
From	: Patrick O'Shea
Date	: 28 th November 2018
Structure ID	: CW-N80-004.00
Structure Name	: Boggan Bridge
Subject	: Appropriate Assessment Screening Report

1. Maps

Bridge carrying the N80 over the River Douglas, 2km south-east of Ballon, Co. Carlow.





2. Photographs



Plate 1. Boggan Bridge



Plate 2. Damaged P4 end terminal

3. Proposed Works

Screening for Appropriate Assessment was carried out for the following routine maintenance works by TII on the 1st August 2018. The routine maintenance works included the following elements:

- Sweep and clean.
- Clean expansion joints.
- Vegetation removal from within 1 m of wingwalls (40 m²).

The reactive works proposed in this report are:

- Replace 3 no. posts and 3 no. rails on north west side of safety barrier.
- Replace 1 no. P4 end terminal completely and 1 no. post on southwest corner.

4. Appropriate Assessment Screening

The Natura 2000 sites within 15 km of Boggan Bridge are:

- Slaney River Valley SAC (000781)
- Blackstairs Mountains SAC (000770)

- River Barrow and River Nore SAC (002162)

Boggan Bridge is located 1.9 km west of the Slaney River Valley SAC. The bridge is hydrologically connected (5.7 km upstream) to the site by the River Douglas, therefore, the potential for impacts on this site is discussed further.

The Blackstairs Mountains SAC is 8.5 km south-west of Boggan Bridge. Boggan Bridge is not hydrologically linked to this site, therefore, there is no risk of impacts on this SAC.

Boggan bridge is located 14.5 km east of the River Barrow and River Nore SAC. There is no hydrological connectivity between the bridge and site, therefore, there is no risk of impacts on this SAC.

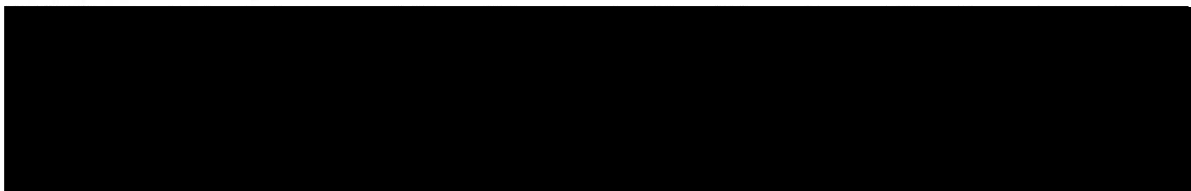
5. Ecological Constraints

Other Designated Sites

The table below list the designated sites, other than Natura 2000 Sites, within 15 km of Boggan Bridge.

Site Name	Location relative to Boggan Bridge
Slaney River Valley pNHA	1.7 km north-east
Ardristan Fen pNHA	5.2 km north
John's Hill pNHA	7.6 km south-east
Blackstairs Mountains pNHA	8.5 km south-west
Bunclody Slate Quarries pNHA	11.6 km south-west
Ballymoon Esker pNHA	11.7 km south-west

Freshwater Pearl Mussel



Bats

Boggan Bridge has no features which could be used by roosting bats.

Invasive Species

None.

Other Ecology Notes

None.

6. Description of Natura 2000 Sites

Slaney River Valley SAC		
Qualifying Interests:	Nearest location relative to Boggan Bridge	Pathways
Estuaries [1130]	> 40 km downstream	Yes - hydrological
Mudflats and sandflats not covered by seawater at low tide [1140]	> 70 km downstream	Yes - hydrological
Watercourses of plain to montane levels with the <i>Ranunculus fluitans</i> and <i>Callitriche-Batrachion</i> vegetation [3260]	> 40 km downstream	Yes - hydrological
Old sessile oak woods with <i>Ilex</i> and <i>Blechnum</i> in the British Isles [91A0]	c. 2 km at Altamont Gardens	Yes - hydrological
Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> (<i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i>) [91E0]*	c. 2.2 km at Ballynoe	Yes - hydrological
Freshwater Pearl Mussel (<i>Margaritifera margaritifera</i>) [1029]		
Sea Lamprey (<i>Petromyzon marinus</i>) [1095]	Potentially 50 m away in the River Slaney	Yes - hydrological
Brook Lamprey (<i>Lampetra planeri</i>) [1096]	Potentially 50 m away in the River Slaney	Yes - hydrological
River Lamprey (<i>Lampetra fluviatilis</i>) [1099]	Potentially 50 m away in the River Slaney	Yes - hydrological
Twaite Shad (<i>Alosa fallax</i>) [1103]	Potentially 50 m away in the River Slaney	Yes - hydrological
Atlantic Salmon (<i>Salmo salar</i>) [1106]	Potentially 50 m away in the River Slaney	Yes - hydrological
European Otter (<i>Lutra lutra</i>) [1355]	Potentially 50 m away in the River Slaney	Yes - hydrological
Common (Harbour) Seal (<i>Phoca vitulina</i>) [1365]	> 80 km downstream in Wexford harbour	Yes - hydrological

7. Impact Assessment

Impacts During Construction

As shown in the table above, there is the potential for impacts on the Qualifying Interests of the Slaney River Valley SAC. However, the maintenance works will take place entirely on the bridge deck and therefore there is no source for impact between the works and the SAC.

Impacts During Operation

There will be no risk of ongoing pollution, changes to the hydrological regime or disturbance as a result of the works. Therefore, there are no impacts of the proposed works during operation.

8. Conclusion

Based on the information provided above and considering the location and sensitivities of the Qualifying Interests of Natura 2000 Sites where potential pathways of risk exist, Roughan & O'Donovan can advise TII, as the competent authority, to conclude that the proposed works will not lead to likely significant effects on the Slaney River Valley SAC, the Blackstairs Mountain SAC, the River Barrow or River Nore SAC or any other Natura 2000 Site.

Having performed screening for Appropriate Assessment in respect of the proposed reactive maintenance works detailed in this document entitled *Appropriate Assessment Screening Report* relating to Boggan Bridge, County Carlow, I accept the recommendations of Roughan & O'Donovan Consulting Engineers 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.

 03/12/2018

Dr. Vincent O'Malley
Head of the Environmental Policy and Compliance Section
Transport Infrastructure Ireland

