

Application for a Band 1 Marine Licence

Project description

Project name

Britannia Bridge - Development Works

Please provide a brief description of the proposed project, including location.

Comprehensive structural inspection of Britannia Bridge, which provides a highway and rail link between mainland North Wales (Gwynedd) and the Isle of Anglesey.
The inspection comprises the following primary components of the Bridge structure: Highway approach spans and abutments; Towers above and below highway deck; Railway abutment externals; Railway arch and land spans; Highway spans (above railway arch and land spans); Anglesey railway abutment internal elements upper and lower voids; Wharf wall.

Applicant details

To whom the licence will be issued. This must be a legal entity such as an individual, registered company/ charity or public body.

Title	Mr
Full name	Luke Fisher
Company or trading name	C Spencer Ltd
Company Registration Number (if applicable)	02334308
Name of contact or individual (if different)	Kieran Corcoran
Position in company	Accountant (C Spencer Ltd)
Address (provide registered company address if applicable)	1 Humber Quays Wellington Street West Hull, East Yorkshire
Postcode	HU1 2BN
Telephone number	07908 740649
Email address	kieran.corcoran@thespencergroup.co.uk

Details of agent, contractor, vehicles and/or vessels used to carry out works

Agent details

This is who we will correspond with unless otherwise informed. If no agent is identified we will contact the applicant.

Title	Mr
Full name	Luke
Company or trading name	Fisher
Company Registration Number (if applicable)	02334308
Name of contact or individual (if different)	Luke Fisher
Position in company	Sector Lead (Bridges)
Address (provide registered company address if applicable)	1 Humber Quays Wellington Street West Hull, East Yorkshire
Postcode	HU1 2BN
Telephone number	01482 766340
Email address	luke.fisher@thespencergroup.co.uk

Does the applicant wish to be included in all correspondence?

Yes

Will the works require the use of vessels?

Yes

Will the works require the use of any vehicles?

Yes

Proposed project details

Licensable period

Determination of applications will be based on the works taking place during these dates. Please ensure you have included an adequate contingency period. If works are not completed by the requested licence expiry date you may be required to submit a new application. Including a contingency period within your original application does not impact on the licence fee.

Start date (DD/MM/YYYY) 16/11/2022

Requested licence expiry date (DD/MM/YYYY) 28/02/2024

Please detail the location of the proposed project.

This should be either Ordnance Survey National Grid Reference (i.e. SN 12345 67890) or Latitude and Longitude in decimal degrees to 4 decimal places (i.e. Lat 52.1234 Long -4.1234), defining the extent of the project. Please specify which coordinate system has been used and if using GIS co-ordinates, specify which projection has been used.

The scope of these works is the full extend of Britannia Bridge, between the following two coordinates:
53.2193, -4.1893 (Anglesey side)
53.2132, -4.1817 (Bangor side)

Method statement

Are the works within a sensitive area or one of the following activities: boreholes, replacement piles or beach management?

Yes

Band 1 method statement template

You can upload your method statement here or fill in the questions below.

- File: Britannia Bridge Development Works - Site access map.pdf - [Download](#)

Please provide a brief summary of the application including location of the works (coordinates - lat/long, decimal degrees). For activities that cover a large area please provide coordinates of the approximate extent of works.

The scope of these works is the comprehensive inspection of all structural elements of Britannia Bridge, between the following two coordinates:
53.2193, -4.1893 (Anglesey side)
53.2132, -4.1817 (Bangor side)

The activities which have the potential to impact the marine environment and/or sensitive area are:

1. Use of diesel powered mobile plant (on land only);
2. Working at height above using rope access techniques;
3. Paint samples and testing on the Bridge steelwork;
4. Paint compatibility tests
5. Taking concrete core samples from the Bridge concrete;
6. Use of a safety boat.

Scope of works

Please provide a full description of all proposed works including: Sequence of works (mobilisation, marine works, site remediation (if required)) Estimated timing of works (duration, working hours, day/night, plus contingency) Plant, machinery or vessel required Estimated quantities (removals, deposits, construction materials)

The information is broken down by activity below.

The period of all activities below shall extend throughout the whole project and are applicable for the duration of the project from 16/11/2022 - 21/02/2023. There is a long contingency period of 12 months until 28/02/2024 due to the presence of peregrine falcons on the Bridge which have been under observation for a considerable length of time and are currently not nesting. Whilst the project is due to start on 16/11/2022, the start may be delayed, or the project potentially put on hold at any time if the peregrine falcons return to nest.

1. Use of diesel powered mobile plant (on land only)

A diesel powered van-mounted boomed MEWP will be used for access to the bridge towers from highway level. Some sections of the bridge soffit shall require access using diesel-powered 30m boomed MEWP. These boomed MEWPs shall be situated on stable ground, far from the watercourse. Any areas inaccessible by MEWP (due to vegetation, protection of the landscape, ground conditions, height etc.) shall be accessed using rope access techniques. No materials shall be required for this work.

2. Working at height above using rope access techniques

Access to the rest of the structure (other than using MEWPs) shall be using rope access techniques. This shall be done using appropriately qualified technicians, working to IRATA guidelines. The technicians shall have extensive experience in bridge inspection, and therefore extensive experience working at height in sensitive environments. Competency and experience of all technicians shall be checked prior to starting works. All tools and equipment shall be securely lanyarded and the team shall carry pod-bags in order to store any other material / items as required.

3. Paint samples and inspections on the Bridge steelwork

Paint samples, adhesion testing and dry film thickness (DFT) testing is required on the existing paintwork as part of the paint inspection scope. There is a risk of release of small particles into the environment from these activities, although the volume is very small. Notwithstanding, all appropriate measures shall be taken to prevent release of any contaminants into the environment, including: local containment if practical and using multiple persons to undertake the activity to ensure a receptacle can be held close to the sample / test site. The testing / sampling shall be done in sheltered areas, or during dry periods of low wind to prevent any detritus being washed or blown away.

4. Paint compatibility tests

Small paint trials are required in some locations on the Bridge. This will require the removal of a small area of existing paint and reapplication of new paint. The existing paint shall be removed using mechanical preparation only (no blasting). The area shall be fully encapsulated so that all debris removed can be fully contained and removed. The painting shall be carried out by hand (no spray application) within the fully encapsulated area so that any drips are captured and prevented from falling into the watercourse / environment. All debris shall be responsibly disposed of by a licensed waste carrier.

5. Taking concrete core samples from the Bridge concrete

Concrete core samples are required at some locations on the bridge. The coring works shall be wetted down to prevent the release of dust into the atmosphere, and these areas shall be fully banded to capture all water used to prevent it running into the watercourse / environment. Only persons competent to do so shall undertake the coring works.

6. Use of a safety boat.

A safety boat is required in case of emergency descent of personnel from the Bridge. The boat will not be present on site during normal operation and shall not be used for any purpose other than emergency rescue. Only a competent, licenced and experienced skipper shall be used to captain the safety boat.

Access and working areas

Please provide details of access to the site and working areas. This should include:
Attached map of the access/egress route and working areas (annotated aerial image and/or OS map)
Predicted plant/vehicle movements
Storage areas for plant, equipment and materials (if required)
Risks to navigation

Map is attached. There are no risks to navigation other than in the case of emergency descent from the Bridge and use of the safety boat. The Britannia Bridge crosses the Menai Strait which is not a busy shipping channel. In the case of emergency the local harbour authority would be duly informed.

All materials, plant and equipment shall be stored at the site compound underneath the Bridge at the North abutment of the Bridge as highlighted on the attached map.

Environmental mitigation

Please list appropriate mitigation measures to minimise impacts on the marine environment these may include: Pollution prevention and control procedure (guidance available on the NetRegs website) Spill response kits Minimise plant traffic Designated access and egress routes Storage of materials (fuel, chemicals, construction waste) Biosecurity (guidance available at <http://www.snh.gov.uk/docs/A1294630.pdf>)

Note: To assist you, the following mitigation statements will be used as conditions within the licence. By signing this method statement you will be agreeing to adhere to these restrictions. If you are unable to do this, the application will not qualify as Band 1. All equipment, temporary structures, access tracks, waste and/or debris associated with the works will be removed on completion of the works. Bunding, storage facilities and spill kits will be employed to contain and prevent the release of fuel, oils and chemicals associated with the plant, refuelling and construction equipment into the marine environment. Plant, vehicles and machinery will not be refuelled on the foreshore. Coatings and treatments will be suitable for use in the marine environment and are used in accordance with best environmental practice. All equipment, materials, machinery and PPE used will be in a clean condition prior to their arrival on site, and upon removal from site, to minimise risk of introducing non-native species into the marine environment. In the event of removal of any sensitive species or habitat designated by NRW under Schedule 7 of the Environment (Wales) Act 2016, no further removals will occur at that location or within 20m of that location.

Please list your bespoke mitigations here:

All of the above conditions are applicable to this project and the restrictions shall be duly adhered to.

Spill kits shall be used at all refuelling locations (within the compound away from the shore), at concrete coring locations and painting trial locations in case of accidental spillage.

All materials, plant and substances required for the works shall be stored within the site compound, which shall be fully fenced and locked when not in use.

Other task-specific environmental mitigation is given in the "Scope of Works" section.

Additional information

Please list any additional information that may help with the application:
Consents/permissions required List of plans or drawings attached to method statement
Emergency procedures Contact details

A Crown Estate License is required for these works to work on the Britannia Bridge. No other permissions or consents are required other than this Marine License.

A map showing access to the site and compound is attached.

The emergency procedure from the Bridge structure above the watercourse will involve descent using rope access techniques into the safety boat. When using the MEWP, a banksman will always be present, who will be able to operate the MEWP using the ground controls in case of emergency where the operative in the basket cannot control the MEWP him-/herself.

The main contact for these works is the applicant: Luke Fisher (Sector-lead for Bridges)

Materials of the project

Delivery method of materials to site

If sea delivery, details of vessels to be used with a chart of proposed route and transshipment area is required. If delivery is by vehicle, the details about the proposed access route are required. Please indicate if you are providing details in a separate file.

Delivery of materials (small volumes of paint / materials required for temporary containment) shall be using site vehicles where possible and carried to the work site. There shall be no other materials required for the project.

Will the works involve removals seaward of MHWS?

Yes

Description of materials to be removed seaward of MHWS (Please tick all that apply)

Other

Description of objects/materials to be removed seaward of MHWS, including quantities to be removed.

No materials shall be removed other than small paint samples (expected less than 1 kg) and possible concrete core samples (expected less than 20 kg).

Additional information

Please provide the following:

You must include a suitably scaled extract of an Ordnance Survey Map or Admiralty Chart with location of project complete with north arrow and scale

If applicable, any construction plans and sectional drawings showing those proposed works below/seaward of MHWS, which should give details of the materials to be used (for beach replenishment the quantity, particle size and source of material to be deposited and deposit location is also required)

You must include details of correspondence with MCA, Trinity House and The Crown Estate

You must include any pre application advice/correspondence with NRW

Correspondence with RCAHWW (B1 removals only)

Please upload these below

- File: Britannia Bridge Development Works - Scaled Ordnance Survey Map.pdf - [Download](#)
- File: CNH3 24109 Drg 20070500 001 W Elev 1.pdf - [Download](#)
- File: CNH3 24109 Drg 20070500 002 AAr BTNth & CAr A-A.pdf - [Download](#)
- File: CNH3 24109 Drg 20070500 003 AASth & AngAS E-E.pdf - [Download](#)
- File: CNH3 24109 Drg 20070500 004 ALS Str Sup(W).pdf - [Download](#)
- File: CNH3 24109 Drg 20070500 005 AltNth & ALS&AAS th.pdf - [Download](#)
- File: CNH3 24109 Drg 20070500 006 BTStth & CAr Typ C-C.pdf - [Download](#)
- File: CNH3 24109 Drg 20070500 007 CAE Str Sup (W).pdf - [Download](#)
- File: CNH3 24109 Drg 20070500 008 CarAS & CANth.pdf - [Download](#)
- File: CNH3 24109 Drg 20071100 002 W Elev 2.pdf - [Download](#)

Please list below all supporting documents that have been submitted with this application.

A scaled extract of an Ordnance Survey Map is included.

The relevant construction drawings are included. For ease of access,

A Crown License is required for works on the Bridge, however the Crown Estate has not yet been contacted.

There is no pre-application correspondence with NRW

There has been no correspondence with RCAHWW

Statutory powers

Does the applicant have statutory powers to consent any aspect of the project? e.g. coast protection authority, dredging powers, statutory undertakers

No

Public register

Is there any information contained within or provided in support of this application that you consider should NOT be included on the Public Register on the grounds that its disclosure:

	Yes	No
Would be contrary to the interest of National Security?		X
Would prejudice to an unreasonable degree you, or some other person's commercial interest or those of a third party?		X

Application fee

Please provide the method of payment

World pay (please contact the Permit Receipt Centre)

Declaration

I declare that to the best of my knowledge and belief that the information given in this application form and supporting documentation is true.

WARNING: It is an offence under the Marine and Coastal Access Act 2009, under which this application is made, to fail to disclose information or to provide false or misleading information. This could invalidate any licence granted.

Name Luke Fisher
Date 16/09/22
Position in company Sector Lead (Bridges)

If you would like a copy of your completed form, please add your preferred email address below:

thomas.inglis@thespencergroup.co.uk