

Method Statement Template

This template is intended to be used in conjunction with a Band 1 Marine Licence application. Please complete each section below following the guidance provided (max 500 words per section). For any queries relating to this template please contact: marinelicensing@cyfoethnaturiolcymru.gov.uk

1. Summary

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 location(s) of the construction phase is the River Dovey Viaduct Number 1, which carries a single line DJP at 79 miles 375 yards, grid reference SN6946397890 over the tidal River Dovey or Afon Dyfi. The viaduct is approximately 110m long and has eleven timber trestles on the north side and four on the south. The main section has four composite steel spans and girders. The structure sits on the Cambrian railway line between Dovey Junction & Penhelig Stations.

Dovey Junction Viaduct No1. DJP, 79 m, 352yds

See Figure 1: Site Layout, appended to this MS.

2. 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)

25th – 29th March 2019

The steel tie replacement to spans 6 to 9 will be carried out during daylight hours. Works will be carried out from a pontoon in a horse shoe configuration moored around the trestle. The pontoon will be less than 20m² and will be assembled at the water's edge.

8 pairs of corroded steelwork (typically 50mm in diameter and 4m long and shown in figure 2: Typical Section at Metal Span) will be unbolted at the lower connections at low tide and the at the top at high tide. An 110v grinder may be used to cut off corroded bolts, powered by a generator set up on a plant nappy on the deck of the viaduct. The redundant steel will be lifted onto the deck of the viaduct and transported to the compound for disposal at a licenced facility. New steelwork will be lowered down from the deck and fixed using stainless steel bolts in the reverse sequence. A safety boat will be in attendance for this work.

3. 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*

All plant, labour and materials will access the viaduct from the railway line from the site compound near Dovey Junction Station. A temporary stairway will be installed down the embankment and a short section of fence taken down to facilitate pedestrian access.

The pontoon will be towed into position by the safety boat. Operatives will be ferried from the river bank to the pontoon by the safety boat.

Materials will be stored in the compound until ready for use.

– See Figure 1: Site Layout, appended to this MS.

We have contacted the Maritime & Coastguard Agency who have confirmed by email that MCA Navigation Safety Branch have no objections to the works going ahead.

We will comply with the following advice

1. The Consent Holder should ensure suitable bunding, storage facilities are employed to prevent the release of fuel oils, lubricating fluids associated with the plant and equipment into the marine environment.
2. Appropriate safeguards should be put into place to ensure that any material / personnel suspended from the bridge does not pose a risk to marine users transiting below.

4. Environmental mitigation

Please list appropriate mitigation measures to minimise impacts on the marine environment these may include:

- Pollution prevention and control procedure (guidance available at: <http://www.netregs.org.uk/media/1304/gpp-5-works-and-maintenance-in-or-near-water.pdf>)
- 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:

- ✓ Location of spill kits shown on **Error! Reference source not found..**
- ✓ All plant to be checked for oil leaks before use.
- ✓ Trained and competent personnel and supervision will be employed.
- ✓ All refuelling to be carried out at a designated point, sited at least 10m away from any watercourse.
- ✓ All plant will run on biodegradable hydraulic oils, and the biodegradable chainsaw chain bar lubricant will be used.
- ✓ Emergency response clean up contractor on standby – Bremar Howells 01202 653558.

5. 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*

Alun Griffiths Contractors have also applied for H28 consent and a flood risk activity permit for works to the viaduct.

Figure 1: Site Layout,

Figure 2: Site Layout,

Site Emergency Arrangements – extract from Construction Phase H&S plan

AGR-P11 Emergency planning will describe the level of emergency planning required for each Project. In the event of a serious accident or incident, whether it is on or off Network Rail Controlled infrastructure, then the Emergency arrangements as defined within either the project site emergency arrangements or the Work Package Plans and Task Briefing Sheets will define Hospitals and contact numbers. Responsibility for implementation will be with the Alun Griffiths Site management team.

Emergency plans will vary considerably due to the transient nature of worksite locations, therefore the provision of emergency arrangements within the Work Package Plan is considered as the best arrangements for transient worksites.

For larger fixed worksite or works of a high risk/complex nature, a more detailed specific Emergency Plan will be developed for the project and briefed out to all staff. These will typically include details of:

- Details of nominated responsible people
- Emergency contact numbers
- Location of line side telephones
- Details of First Aiders on site.
- Location of First Aid equipment.
- Address and telephone of local casualty hospital.
- Fire precautions and prevention methods on site.
- Contact arrangements for Network Rail Signallers.
- Contact arrangements for environmental emergencies.

In the event of an accident the Contracts Manager will not authorise or propose to authorise any person to come to site without prior permission. All staff, contractors and visitors will be fully briefed on the emergency arrangements prior to the commencement of work / visit.

The Work Package Plan for each project will outline detailed control measures.

6. Customer details

Signature:



Full name: Philip Steen

Organisation name (where appropriate): Alun Griffiths Contractors on behalf of network Rail

Contact e mail: phil.steen@alungriffiths.co.uk

Contact phone number: 07977280441

Appendix A – Figures

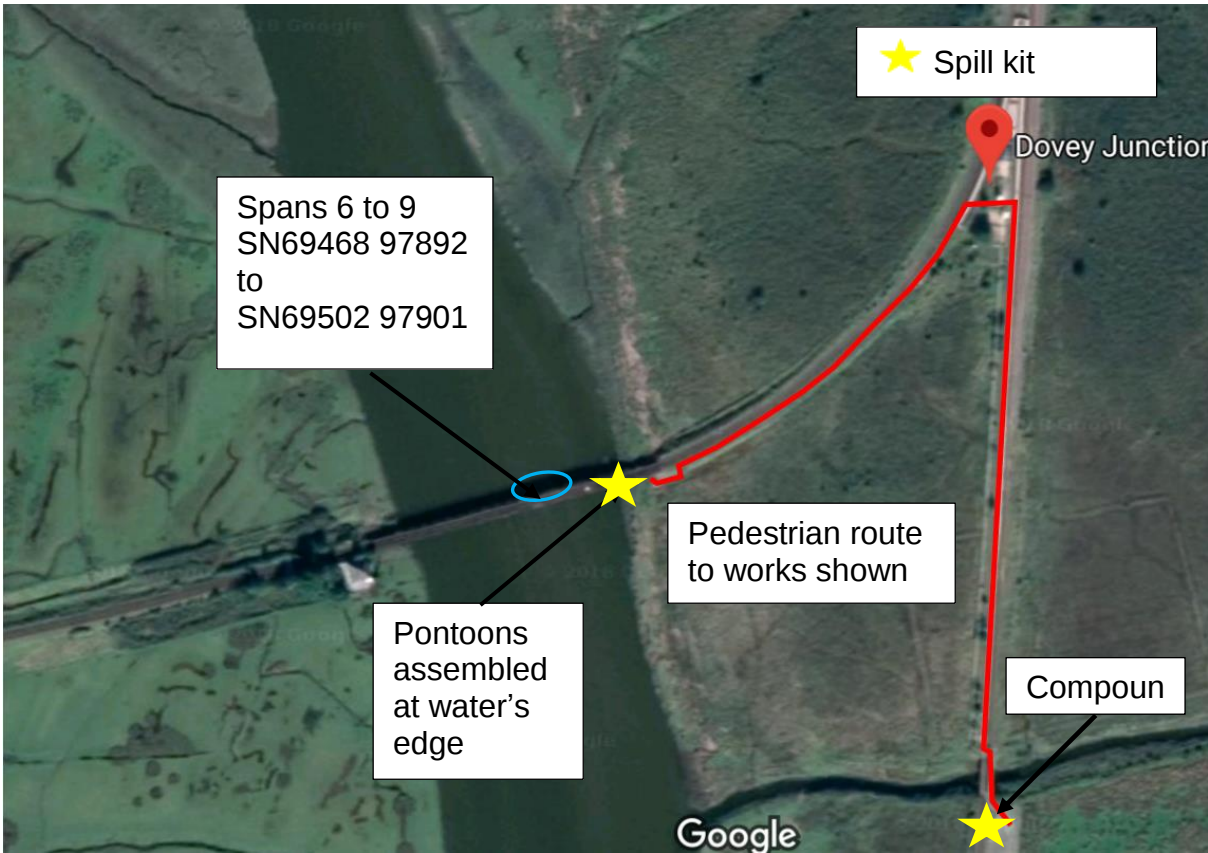


Figure 1: Site Layout

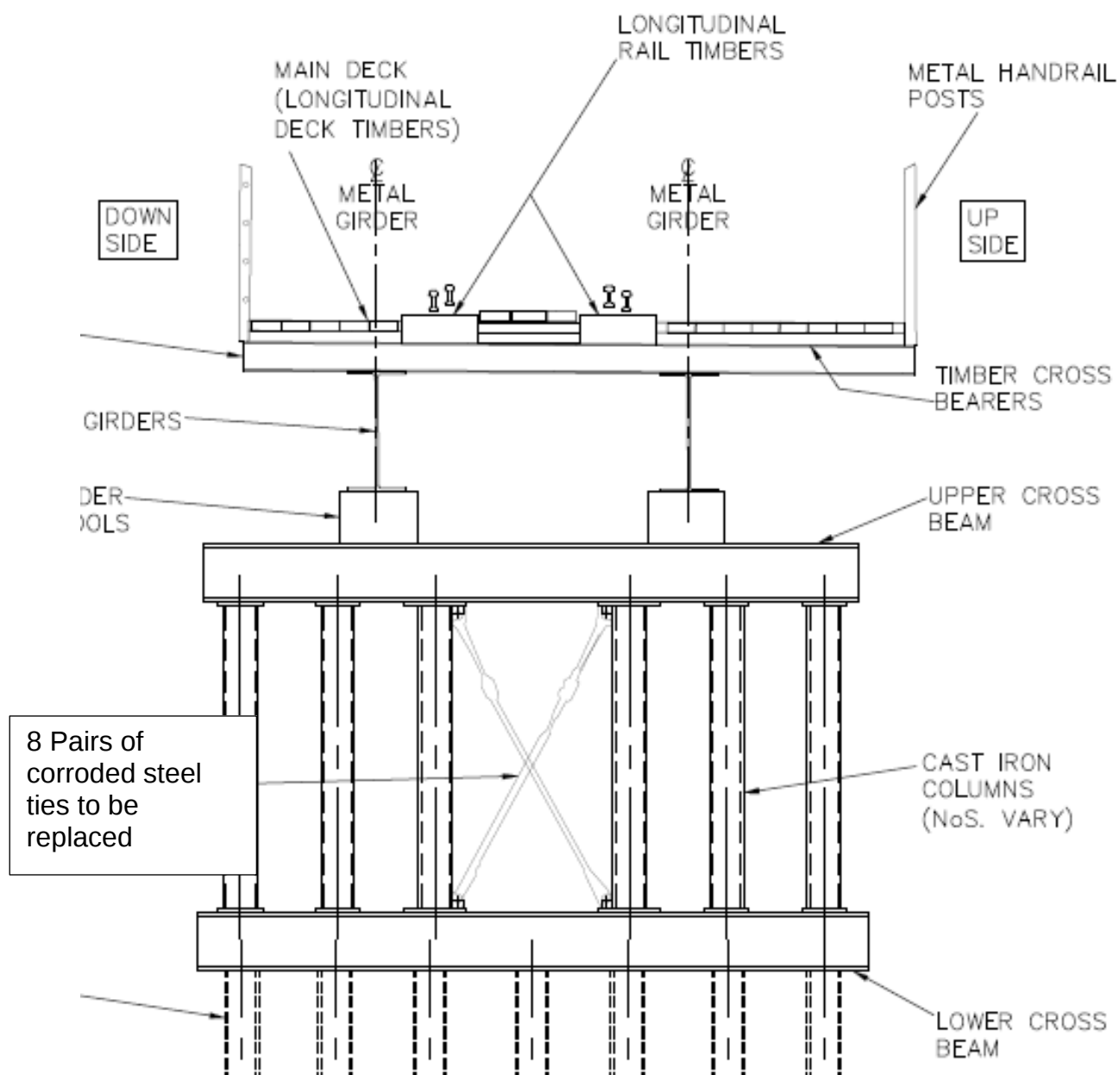


Figure 2: Typical Section at Metal Trestle