Restoration
Biodiversity
Well-being

WENDOVER
CANAL TRUST

# WENDOVER CANAL TRUST

# METHOD STATEMENT
# FOR
# Repointing the walls at Bridge 4 (Foundations to swing bridge)

Wendover Canal Bringing it to Life - Wendover Canal Trust

**Registered Charity No. 801190**

**Document Location**

The editable version of this document is held by the Wendover Canal Trust Site Manager. It is available to all members of the Wendover Canal Trust and the public via the Wendover Canal Trust's website:

Wendover Canal Bringing it to Life - Wendover Canal Trust

Printed copies may be out-of-date. The latest version is held on the Wendover Arm Trust's website.

**Revision History**

| Issue | Date | Author | Summary of changes |
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**Description of work to be carried out:**

This method statement covers the work of completing the restoration of the foundation of the former swing bridge known as Bridge 4.

Brickwork repairs have been completed but there are mortar joints that need to be repaired.

An expansion joint between the swing bridge foundations and new brick approach walls needs to be sealed with a polysulphide sealant.

**Hazards associated with task /work:**

- Uneven ground.
- Falling materials.
- Manual handling.
- Working near water, Leptospirosis.
- Working at height.
- Hazardous materials, lime mortar.

**Risk assessments and other method statements / documents to be referred to:**

Risk assessment WCTRA s20 (available on Wendover Canal Bringing it to Life - Wendover Canal Trust)

Fosroc data sheets for Expandafoam, Primer MS2 and Nitoseal MS600.

COSHH assessments 03 Lime, 05 Soft sand, 06 Sharp sand, 017 Nitoseal MS600, 018 Expandafosm, 019 Primer MS2.

**Methods to be undertaken:**

During the task regular photographs will be taken for inclusion in the health and safety file.

The section of canal over the length of the foundations is out of water. At the east end stop planks have been installed for the section of canal that was rewatered in November 2019. At the west end a low blockwork wall has been constructed to prevent any build up of water in the relined section of the canal flooding the foundations and to allow a water test to be carried out at a later date. Refer to drawing WAT/MJB 23.

Access to the work area is along the bed of the canal. Alternatively the towpath will be used and a secured ladder used to access the canal bed.

Mortar in the joints will be raked out using hand tools, plugging chisel and hammer, to a depth of between 25 and 50mm. The arisings will be swept up and bagged for disposal.

Lime mortar in the proportions 1½ parts sharp sand, 1 part building sand, 1 part NHL 5 lime will be mixed on site to a workable mix and used to repoint the joints. The joints will be packed using a finger trowel. The face of the joint will be struck flush with the brickwork.

The vertical expansion joint will be sealed. Fosroc Nitoseal MS600 sealant will be used. The installation will follow the manufacturers instruction (The product sheet is included in the documents referred to in this method statement). The expansion foam will need to be cut back to a depth to allow Fosroc Expandafoam cord to be placed in the joint. The joint will need to be clean and dry before brushing it with primer, Fosroc MS2. The sealant will be gunned into the joint.

The sealant will be allowed to cure. The curing period will be based on the recommendation of the sealant supplier and depends on the width of the joint.

The expansion joint across the bed has been sealed in the past. The old sealant will be cut out using hand tools and the face of the concrete cleaned of sealant residue. The expansion foam will be cut back to allow Fosroc Expandafoam cord to be placed in the joint.

Replacement sealant will be Fosroc Nitoseal MS600. The installation will follow the manufacturers instruction (The product sheet is included in the documents referred to in this method statement). The joint will need to be clean and dry before brushing it with primer, Fosroc MS2. The sealant will be gunned into the joint.

The sealant will be allowed to cure. The curing period will be based on the recommendation of the sealant supplier and depends on the width of the joint.

On completion of work the area will be flooded to the top of the block wall in order to carry out a still water test of the foundations.

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| **PPE:** | **Hard hats and high visibility jackets to be worn at all times.**<br>**Gloves and other appropriate clothing including suitable safety footwear should be worn.** |
| **PLANT AND EQUIPMENT:** | **Ladder, hand tools for preparing joints (such as hammers, chisels, wire brushes, stiff brushes), buckets.** |
| **WELFARE FACILITIES:** | **Portaloo on site.** |
| **FIRST AID:** | **First aid cover will be supplied by the WCT first aiders.**<br>**First aid kit will be carried by first aiders.** |
| **EMERGENCY CONTACTS:**<br><br>**FIRE:**<br><br>**AMBULANCE SERVICE:**<br><br>**STOKE MADEVILLE HOSPITAL:**<br><br>**HEMEL HEMPSTEAD HOSPITAL:**<br><br>**LOCAL POLICE:**<br>**TRING:**<br>**HEMEL HEMPSTEAD:**<br>**AYLESBURY:** | **IN ANY EMERGENCY DIAL 999**<br><br>**999**<br><br>**01908 262422**<br><br>**01296 315000**<br><br>**01442 213141**<br><br><br>**01442 827272**<br>**01442 271000**<br>**01296 396000** **Note:**<br>**If asked for location by emergency services, it is important that the exact location of the nearest ROAD ACCESS or BRIDGE is provided. Refer to EMERGENCY CALL OUT INFORMATION sheet.** |