# Network Rail (Huddersfield to Westtown (Dewsbury) Improvements) Order

# Colne Bridge Road Overbridge (MVL3/107) Listed Building Consent Condition 4: Schedule of Materials

**Network Rail**

**June 2024**

## Contents

# 1. INTRODUCTION

## 1.1 Background

1.1.1 The Scheme is part of a wider programme of works under the Trans-Pennine Route Upgrade (TRU) which will improve the Trans-Pennine railway between Manchester, Huddersfield, Leeds and York and improve connections between key towns and cities across the north of England.

1.1.2 Planning Direction for the Huddersfield to Westtown (Dewsbury) section of the TRU was received from the Department for Transport referenced TWA/21/APP/03, dated 3 November 2022.

1.1.3 Listed Building Consent for the works to Colne Bridge Road Overbridge (MVL3/107) as part of the Huddersfield to Westtown (Dewsbury) section of the TRU was granted as directed by the Secretary of State for the Department of Levelling Up, Housing and Communities on 27 June 2022 (LBC Ref: 2021/91330). This was granted subject to a number of conditions.

1.1.4 This document sets out details in relation to Condition 4 of the granted Listed Building Consent.

## 2. INFORMATION INCLUDED IN THIS SUBMISSION

2.1.1 The wording of Condition 4 of the granted Listed Building Consent (LBC Ref: 2021/91330) is reproduced below:

> ***(Materials)*** *Before the commencement of any works in respect of bridge MVL3/107 samples and specifications of all materials to be used on all external elevations must be submitted to and approved in writing by the local planning authority.'*

2.1.2 This document details the information required in relation to Condition 4. This comprises a schedule of the materials to be used on all external elevations of the structure. Photographic evidence of the materials where appropriate has been included in Appendix A.

2.1.3 Where appropriate, samples of the material(s) to be used will be made available by Network Rail for inspection by the Kirklees Council Conservation Officer. Where samples of materials are to be shared, these are identified in the schedule of materials below. Sharing of the sample(s) and any further agreement on the approach will be arranged and confirmed via the established TRU Heritage Working Group.

2.1.4 We do not anticipate any need to depart from the information provided. However, there may be unforeseen circumstances which require us to revise proposals. In such circumstances Kirklees Council will be notified as soon as possible, and their agreement sought on the required change in materials through the established TRU Heritage Working Group.

## 3. COLNE BRIDGE ROAD OVERBRIDGE (MVL3/107) - SCHEDULE OF MATERIALS

3.1.1 Table 3-1 below outlines the Schedule of Materials to be used at Colne Bridge Road Overbridge (MVL3/107).

**Table 3-1 Colne Bridge Road Overbridge (MVL3/107) – Schedule of Materials**

| Item | Location | Proposal | Colour | Additional Requirements |
|---|---|---|---|---|
| External parapet | New Bridge: Both sides of deck | Galvanised steel H4a Vehicle Restraint System (VRS) (Varley & Gulliver or similar) | Metallic grey | Design of vehicle parapets in accordance with requirements of Section 4 of DMRB CD 377 “Requirements for road restraint systems”. |
| Internal parapet | New Bridge: Both sides of deck | Galvanised steel H4a VRS (Varley & Gulliver or similar) | Metallic grey | Design of vehicle parapets in accordance with requirements of Section 4 of DMRB CD 377 “Requirements for road restraint systems”. |
| Deck surface | New Bridge | Bituminous asphaltic material | Black | |
| Girders | New Bridge: Underside of deck | Weathering Steel | Weathering Steel – Natural rust | |
| Underside of deck | New Bridge | Concrete | Grey | |
| External face of new bridge abutments | New Bridge: Abutments at both ends | Concrete | Grey | |

| Item | Location | Proposal | Colour | Additional Requirements |
|---|---|---|---|---|
| Existing bridge abutments | Existing Bridge: Both ends - exposed face of reconstructed walls atop abutments | Clad in natural stone masonry slips | Sandstone as existing | Stone slips to be used to allow fabrication of walls prior to installation on site, thereby reducing construction timescales and disruption to operational railway.<br><br>Stone slips to be sourced from Crosland Hill Quarry, Huddersfield, West Yorkshire. HD4 7AB.<br><br>Sample available for inspection by Conservation Officer if required. |
| Arch infilling | Existing Bridge: Northernmost and southernmost spans | Foamed concrete | N/A | Foamed concrete infill will not be visible and will be concealed by masonry façade/walling system. |
| Infill finish / façade | Existing Bridge: Northernmost and southernmost spans | Finished in natural stone masonry, dressed to match the existing abutments and wing-walls. | Sandstone as existing | Infill to be faced in either stone reclaimed from the demolition of the central arches of the existing structure (if suitable) or local sandstone. This will be dependant on quality of any stonework reclaimed during demolition.<br><br>If stonework cannot be reused from the existing structure, local sandstone of similar size to existing abutments and wing walls, including dressing / finish, will be sourced. |

| Item | Location | Proposal | Colour | Additional Requirements |
|---|---|---|---|---|
| | | | | Stone to be sourced from Crosland Hill Quarry, Huddersfield, West Yorkshire. HD4 7AB.<br><br>Sample available for inspection by Conservation Officer if required. |
| Approach walls | New Bridge: Both approaches | Vehicle safety barriers N2 on approaches | Metallic grey | Design of vehicle parapets in accordance with requirements of Section 4 of DMRB CD 377 "Requirements for road restraint systems". |
| External face of reinforced earth wall | New Bridge: Along length of both walls on eastern elevation of new structure | Concrete | Grey | |
| OLE | New Bridge: Soffit of structure | Galvanised steel OLE | Grey | Bracketry fixed to soffit of bridge, as per standard OLE componentry. |
| Bedding mortar and Pointing mortar | Existing Bridge: Abutments, wingwalls and infilled arches | Lime mortar, NHL5, to match existing | To match existing | Bedding mortar will also be used to fill the cavity between the façade facing sandstone blockwork and concrete infill material.<br><br>Mortar mix with a ratio of 1:2 lime:sand.<br><br>No re-pointing of existing masonry is anticipated as being required, |

| Item | Location | Proposal | Colour | Additional Requirements |
|---|---|---|---|---|
| | | | | however if any requirement is identified during works, to be done in lime mortar to match existing appearance.<br><br>Any re-pointing to meet Network Rail standards. |
| Rainwater Goods – Downpipe (*if required*) | New Bridge: Abutment / wingwall interface | High-density polyethylene (HDPE) downpipe | Black | Downpipe may be required to drain the bearing shelf of the bridge. If so, HDPE downpipe to be used due to proximity to OLE (i.e. instead of metallic). |
| Replacement utility services | New Bridge: Soffit of bridge deck | High-density polyethylene (HDPE) conduit | Black | A small number of larger utilities may need to be placed under the soffit in HDPE conduit. |

# 4. CONCLUSION

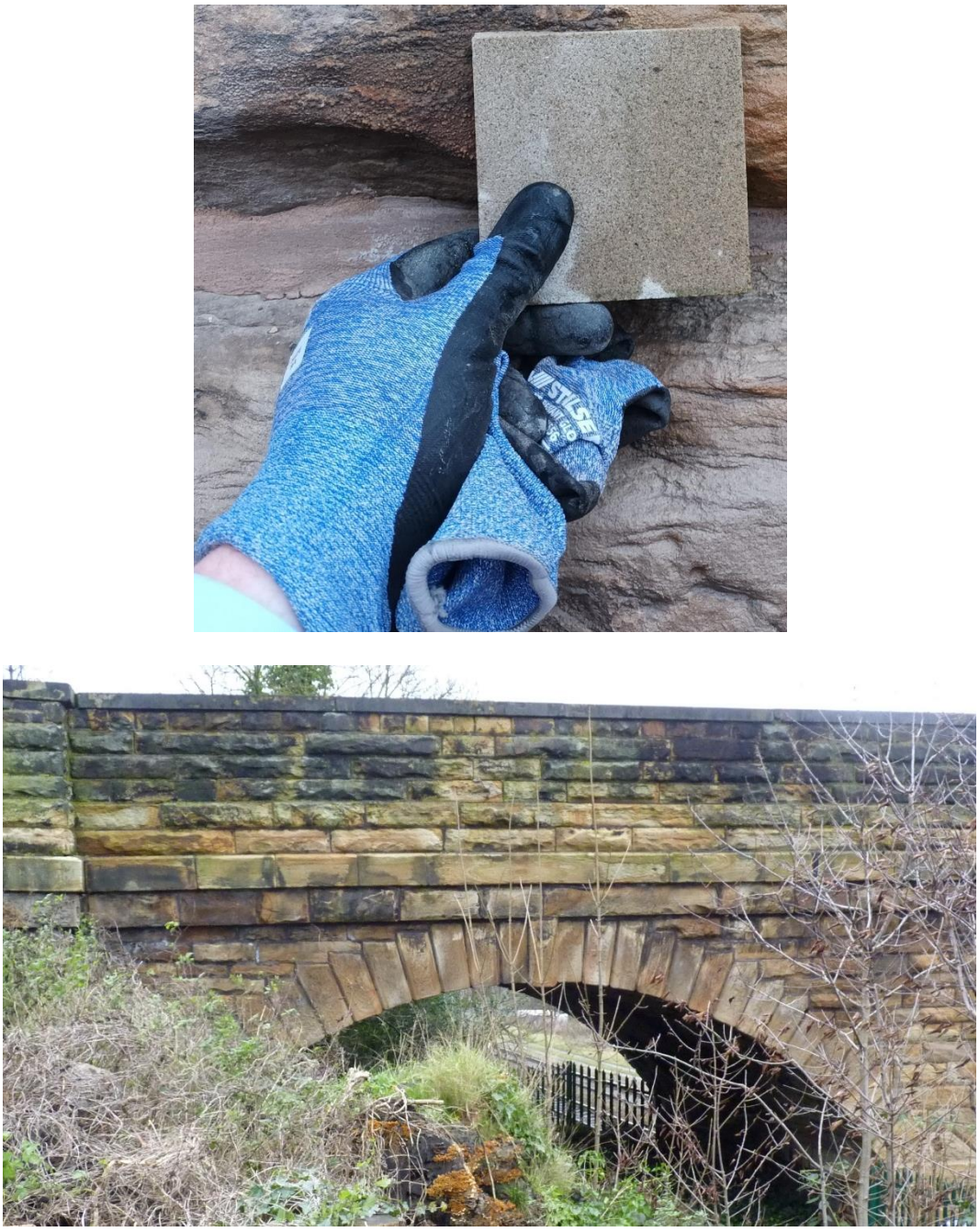
## 4.1 Summary

4.1.1 As stated, this document is submitted in order to discharge Condition 4 of the granted Listed Building Consent for works to Colne Bridge Road Overbridge (MVL3/107) (LBC Ref: 2021/91330).

4.1.2 The works will be implemented with the materials used as agreed via this documentation. As detailed above in paragraph 2.1.4, any unforeseen circumstances leading to changes in the materials used will be communicated to Kirklees Council and changes in materials agreed accordingly.

4.1.3 Sample(s) of two of the materials can be made available by Network Rail to be shared with Kirklees Council if required: the natural stone masonry slips use to clad the retained walls of the existing abutments and the sandstone masonry walling for the facing façades of the infilled arches. Sharing of the sample and any further agreement on the approach will be arranged and confirmed via the regular TRU Heritage Working Group.

## APPENDIX A – PHOTOGRAPHIC EVIDENCE OF MATERIALS



**Insert 1 Sample of Crosland Hill stone held against historic stonework of Huddersfield Viaduct (MVL3/92) (above), with northernmost arch of Colne Bridge Road Overbridge (MVL3/107) (below).**

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