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

Huddersfield Station Listed Building Consent Condition 2: Schedule of Materials

Network Rail

April 2025

Contents

1. INTRODUCTION 3
1.1 Background 3
2. STAGED APPROACH TO DISCHARGE 4
3. INFORMATION INCLUDED IN THIS SUBMISSION 6
4. HUDDERSFIELD STATION - SCHEDULE OF MATERIALS 7
5. CONCLUSION 16
5.1 Summary 16
5.2 Next Steps 16
APPENDIX A – INDICATIVE IMAGES OF MATERIALS 17
APPENDIX B – DETAILED SPECIFICATION OF MATERIALS 19

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 Huddersfield Station 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: 2021/91328). This was granted subject to a number of conditions.

1.1.4 This document sets out details in relation to Condition 2 of the granted Listed Building Consent.

2. STAGED APPROACH TO DISCHARGE

2.1.1 The consent for the Order Scheme requires the discharge of various Planning and Listed Building Consent conditions. The materials specification and samples are just one of the elements which provide the foundation for the construction of the Order Scheme as they help inform how construction works should be undertaken in respect of the significance of the heritage asset.

2.1.2 Due to the nature of the construction programme and complexities of delivering the scale of the Order Scheme at Huddersfield Station, there are specifications and samples of materials that either will not be understood fully until after certain construction activities have commenced or may significantly delay the fulfilling of the Order Scheme in order for the required information to be gathered before works commence. As such, a phased approach to the materials condition utilising a partial discharge of the materials samples and specifications submission for different elements of the station is deemed necessary. This will afford a complete understanding, with approved materials, that informs high quality works considered appropriate for the sensitivities of the Grade I Listed Huddersfield Station, thereby complying with Condition 2 outlined and the phased approach agreed in principle by Kirklees Council.

2.1.3 This Schedule of Materials is intended to be read in conjunction with the associated Conservation Implementation Management Plan (CIMP) which comprehensively outlines the conservation framework and methodology in the context of works proposed to be undertaken within the Order Scheme. This Schedule of Materials is considered to align with the relevant Phase 3 of the CIMP, as this document details the material alterations proposed within the works covered by that phase of the CIMP.

2.1.4 Those elements of the Station covered by this Materials Schedule, aligned with the Phase 3 CIMP, comprise:

- Footbridge
- Platform surfaces

2.1.5 In addition to these elements, this Materials Schedule also outlines details of those materials where, subsequent to the approval of their specification via the Phase 2 Materials Schedule submission, changes in specification or finish have had to be made. Where this has occurred, the new specification outlined in this document have been agreed with Kirklees Council, including via sharing of samples with the Kirklees Council Conservation Officer, where appropriate. It should be considered that, once approved, the specification of the materials outlined below will supersede the corresponding details included in and approved via the Phase 2 Materials Schedule.

2.1.6 Overall, this phased approach to submission utilises partial discharge of the condition to ensure that no works, including demolition, will take place until an approved specification and samples of materials for that element of the Station has been submitted and discharged. This requires that some approved works commence to inform later stages of the programme and allow for a fully complete and approved construction materials that entirely complies with the requirements of the condition. No works on any element would commence without formal approval based on an up to date and approved relevant materials sample and specifications with fully informed and precise details for the specific element for discharge.

2.1.7 Partial discharge of Condition 2 has already been approved for two previous phases of submission. Phase 1 of the CIMP included the Tea Rooms Methodology document, which details the material specification used for deconstruction and commencement of storage of Tea Rooms, and preparation for elements of reconstruction. This was submitted in June 2023 (ref: 2023/91628) and partial discharge approved in July 2023. The Materials Schedule

to align with Phase 2 of the CIMP included details of the materials specification for works to Roof A and the Penistone Line canopy. The Phase 2 Materials Schedule was submitted in October 2023 (ref: 2023/93177) and partial discharge approved in February 2024.

3. INFORMATION INCLUDED IN THIS SUBMISSION

3.1.1 The wording of Condition 2 of the granted Listed Building Consent (LBC Ref: 2021/91328) is reproduced below:

> ***2. (Huddersfield Station Materials)*** *Before the works hereby approved commence, or within a timescale to be otherwise agreed in writing by the local planning authority, samples and specifications of all materials to be used on all external elevations, roofs and subways of the works shall be submitted to and approved in writing by the local planning authority. The works shall be constructed only using the approved materials unless otherwise agreed in writing by the local planning authority.*

3.1.2 This document details the information required in relation to Condition 2, for details of methodology covered, see the corresponding Phase 3 Conservation Implementation Management Plan (CIMP) (see above, Section 2). This Materials Schedule document comprises a schedule of the materials to be used on all external elevations of these parts of the station.

3.1.3 Once procurement of the materials has been undertaken via the project supply chain, photographs and detailed specifications of materials and finishes will be obtained by Network Rail. These will be shared with Kirklees Council via the established TRU Heritage Working Group, and subsequently will be included, as appropriate, in future submissions to partially discharge the condition further.

3.1.4 Where necessary, samples of the material(s) to be used will be made available by Network Rail for inspection by the Kirklees Council Conservation Officer (and Historic England where appropriate). 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.

3.1.5 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.

4. HUDDERSFIELD STATION - SCHEDULE OF MATERIALS

4.1.1 Table 4-1 below outlines the Schedule of Materials to be used at Huddersfield Station, relating to those elements covered in the corresponding Phase 3 CIMP.

Table 4-1 Huddersfield Station – Schedule of Materials for Footbridge

Item	Location	Proposal	Colour	Additional Requirements
Footbridge				
Bridge deck - external cladding	Exterior sawtooth cladding panels of footbridge deck	VitraDual aluminium panels	Dark Grey - RAL 9007	Cladding panels to be 2mm or 3mm thick, dependant on location. Matte colour to reduce glare. RAL number may be subject to change dependant on approval of sample colours on site. Links to manufacturers specification for material provided in Appendix B. Sample to be arranged to be shared with the Conservation Officer, if required.
Bridge deck - glazed windows	Bridge deck sawtooth window panels	Architecture Armour high security glazing panels	N/A (clear glazing)	Glazing panels to be double glazed 7.2mm thick, 1180mm wide. Glazing to pivot inwards to allow for maintenance access and cleaning. Links to manufacturers specification for material provided in Appendix B.
Bridge deck - soffit	Bridge deck soffit	SAS330 polyester powder coated (PPC) steel panels	Off-white - RAL 9010 (with additional graphics TBC)	Panels to be demountable but also arranged so that visible and tactile inspection of the main structural members can be achieved without removing the cladding. RAL number may be subject to change dependant on approval of sample colours on site.

Item	Location	Proposal	Colour	Additional Requirements
				The soffit will feature a graphic strip of colour, of bespoke design to Huddersfield Station. Additional detail of this will be confirmed in a future phase of submission of the Materials Schedule and accompanying CIMP. Links to manufacturers specification for material provided in Appendix B. Sample to be arranged to be shared with the Conservation Officer, if required.
Bridge deck – roof	Bridge deck external roof covering	Adhered single ply Bauder waterproof membrane.	Anthracite – RAL 7016	Single ply system, with tapered insulation. Set back from edge of bridge span to reduce visibility from ground level. RAL number may be subject to change dependant on approval of sample colours on site.
Bridge deck - internal cladding	Bridge deck internal walls	Enamel coated Ceramapanel slotted texture panel 12mm	Ceramapanel Natural+ Colour 2001 Limestone or equivalent	Anti-graffiti coating to be applied to cladding panels. Panels to be attached using the Vitrafix VF3 bracket and rail with secret fix or equivalent. Linear luminaires to be recessed at connections between cladding and window joints. Links to manufacturers specification for material provided in Appendix B. Sample to be arranged to be shared with the Conservation Officer, if required.

Item	Location	Proposal	Colour	Additional Requirements
Bridge deck – internal floor finish	Internal bridge deck flooring	Flowcrete Flowfast BC – Hardwearing resin floor finish, with deckshield rapide guidance strip	Dark grey 703 and White	Majority of floor would be dark grey, with contrasting white guidance strip along the centre of the deck. Links to manufacturers specification for material provided in Appendix B.
Bridge deck - internal ceiling	Internal bride deck ceiling	SAS330 PPC steel ceiling panels, acoustic lined	Off white – RAL 9010	Ceiling panels will be arranged to reference the geometry of the bridge from the inside. RAL number may be subject to change dependant on approval of sample colours on site. Links to manufacturers specification for material provided in Appendix B.
Tactile surfaces	Base of footbridge stairs	800mm wide corduroy hazard warning tactile surface	Buff	
Undercroft - external cladding	Exterior covering of plant room below stairs	Vitranamel, vitreous enamelled cladding panels	Blue – RAL 5026 and Off-white - RAL 9010	Majority of cladding in blue, with off-white contrasting banding horizontally across plant room. RAL number may be subject to change dependant on approval of sample colours on site. Cladding panels to be 2mm or 3mm thick, dependant on location. Links to manufacturers specification for material provided in Appendix B. Sample to be arranged to be shared with the Conservation Officer, if required.

Item	Location	Proposal	Colour	Additional Requirements
Undercroft - plant Room Door	Plant Room below stairs	SR Rated door 1910mm x1010mm - aluminium clad metal doors to match surrounding cladding	Blue – RAL 5026 and Off-white - RAL 9010	Colour to match surrounding Vitreous Enamel Cladding (see above). RAL number may be subject to change dependant on approval of sample colours on site.
Lift shaft - exterior cladding	Exterior covering of lift shaft	Vitranamel, vitreous enamelled cladding panels	Blue – RAL 5026 and Off-white - RAL 9010	Majority of cladding in blue, with off-white contrasting banding horizontally across lift shaft. RAL number may be subject to change dependant on approval of sample colours on site. Cladding panels to be 2mm or 3mm thick, dependant on location. Lift shaft exterior to also include: • Smoke vents (400mmx400mm), painted blue to match cladding, located in the centre top of the lift shaft above the lift cavity. • Wall-based inspection panels to allow for maintenance access via undercroft void area, painted blue to match cladding, located in the centre bottom of the lift shaft directly above the lift motor room. • A wall mounted lift control panel and wall mounted EVCS. Links to manufacturers specification for material provided in Appendix B. Sample to be arranged to be shared with the Conservation Officer, if required.
Lift shaft – waiting canopy	Above lift doors	Metal parapet flashing; SAS330 PPC steel ceiling panels	Blue – RAL 5026 and Off	Anti-climb flashing in blue, with ceiling panels in off white. RAL number may be subject to change dependant on approval of sample colours on site.

Item	Location	Proposal	Colour	Additional Requirements
			white – RAL 9010	
Lift shaft – lift doors	Lift entry in lift shafts	Stainless steel doors with 100 x 600 mm glazed vision panel and stainless steel surround	Stainless steel for doors and door surrounds. Clear glazed panel.	Patterned finish to steel: 'Linen pattern' for doors and 'Raltex' 6WL pattern for door surrounds. Indicative image of same lift specification recently installed at another station included in Insert A-1 in Appendix A.
Lift shaft - lift motor room door	Lift Motor Room within Lift Shaft	SR Rated Leaf and a half door to lift motor room - aluminium clad metal doors to match surrounding cladding	Blue – RAL 5026	Doors coloured to match surrounding Vitreous Enamel Cladding. RAL number may be subject to change dependant on approval of sample colours on site.
Stairs - glazed balustrade	External walls of staircase to footbridge	Architecture Armour high security glazing panels	N/A (clear glazing)	Glass balustrade panels fixed between structural members. Panels to be double glazed 7.2mm thick. Links to manufacturers specification for material provided in Appendix B.
Stairs - external cladding	Walls at base of stairs next to plant room	Enamel coated Ceramapanel slotted panel 12mm, fitted with expanded metal mesh	Ceramapanel Natural+ Colour 2001 Limestone or equivalent	Anti-graffiti coating to be applied. To be fitted with expanded metal mesh with anti-tamper fixings for removable access to condenser units. Links to manufacturers specification for material provided in Appendix B. Removable access to condenser unit behind. Sample to be arranged to be shared with the Conservation Officer, if required.

Item	Location	Proposal	Colour	Additional Requirements
Stairs - stair tread covers	Footbridge stairs	Dura Composites GRP Stair Tread Covers SN293/WL/307UR, MMA Resin Base.	Painted finish to riser RAL 9007 with aluminium strips with white and yellow nosing	RAL number may be subject to change dependant on approval of sample colours on site. White nosing to steps throughout, with yellow nosing to first and last step. Bondlock adhesive to secure tread to substrate.
Stairs - handrail	Footbridge stairs	Brushed stainless steel 45mm circular rails	Brushed stainless steel	Two evenly spaced horizontal handrails of circular 45mm diameter. Discrete recessed luminaires integrated within top handrail to uniformly illuminate stair risers and treads.
Stairs - underside of footbridge stairs finish	Underside of footbridge stairs / ceiling of undercroft	Promat self - supporting ceiling membrane.	Colour to match adjacent Vitreous Enamel Cladding	To be 60-minute fire resistant. Links to manufacturers specification for material provided in Appendix B.
Stairs - ceiling	Underside of stairs canopy	SAS330 PPC steel ceiling panels	Off white – RAL 9010	RAL number may be subject to change dependant on approval of sample colours on site. Links to manufacturers specification for material provided in Appendix B. Sample to be arranged to be shared with the Conservation Officer, if required.
Stairs - roof	Topside of stairs canopy	Adhered single ply Bauder waterproof membrane.	Anthracite – RAL 7016	Single ply system, with tapered insultation under membrane. RAL number may be subject to change dependant on approval of sample colours on site.

Item	Location	Proposal	Colour	Additional Requirements
Columns – external finish	Footbridge structural columns, between stairs and lift shafts	Exposed painted steel	Dark grey – RAL 9007 and Off White – RAL 9010	Tapered columns, exposed steel to be painted dark grey with off-white contrasting banding horizontally across column. RAL number may be subject to change dependant on approval of sample colours on site.
Rainwater goods	Concealed within lift shaft exterior cladding	PPC aluminium rainwater pipe	Colour to match surrounding Vitreous Enamel Cladding	Rainwater pipes to be concealed within cladding structure of lift shafts. Pipes of 100mm external diameter.
Platform surfaces				
Platform surface	Topside covering – across all platforms	Asphalt	Dark grey	Asphalt to be installed to match existing. Designed to be in accordance with requirements of Network Rail Standard Platform Design Drawing NR/CIV/SD/3010.
	Platform edge copers, across all platforms	Combined units of concrete coper slabs with tactile paving	Natural concrete edging copers, with contrasting coloured tactile (to match existing)	Coper units preassembled, to combine 4mm tactile sheet bonded to concrete edging slab. Tactile element manufactured to suit requirements of Network Rail Standard NR/L3/CIV/030 'Level 3 – Platform Components and Prefabricated Construction Systems'. Links to indicative manufacturer's specification for material is included in Appendix B; specific supplier to be confirmed, however the specification is consistent with the approach to be used.

Item	Location	Proposal	Colour	Additional Requirements
	Ends of platforms, where back of platform surface meets riser wall.	Precast concrete edging type EF	Natural concrete edging	Depth 250mm embedded in in-situ concrete surround to form 100mm high tapping rail. Specification in accordance with BS EN 1340.
Penistone Line platform handrail	Penistone Line platform (future Platform 1) – aligned along northern section of platform	Steel handrail frame with timber top rail with rounded edges	Blue – RAL 5026 and Off White – RAL 9010	Aligned parallel to platform edge to act as separating barrier between front and rear portion of platform. Majority of railing to be blue with off-white top rail; colours to match Penistone Line canopy. RAL number may be subject to change dependant on approval of sample colours on site. Indicative image of handrail form included in Insert A-2 in Appendix A.

4.1.2 Table 4-2 below outlines the Schedule of Materials for those materials where changes from the details previously approved in the Phase 2 Materials Schedule document have subsequently been agreed with Kirklees Council. It should be considered that, once approved, the specification of materials outlined below will supersede the corresponding details included in and approved via the Phase 2 Materials Schedule.

Table 4-2 Huddersfield Station – Schedule of Materials for Roof A, with agreed revisions from previously approved material specification.

Item	Location	Proposal	Colour	Additional Requirements
Roof A, including Lantern				
Exterior covering: cladding	Lantern	Aluminium insulating sandwich panels with standing seam finish	Anthracite grey RAL 7016	Steel lantern structure to be clad using a standing seam roof on the top of the lantern.

Item	Location	Proposal	Colour	Additional Requirements
				Euroclad standing seam product to be used. Revision to approved material made due to previous approved specification no longer being available from manufacturer. Sample of revised material shared with Conservation Officer and approved. Indicative image of material makeup included in Insert A-3 in Appendix A.
Glazing	Roof A	6mm solid obscure polycarbonate glazing system	Glazing Frame to be Anthracite grey RAL 7016	Sloping patent glazing systems comprising 6mm solid obscure polycarbonate glazing sheet with aluminium glazing frame. Revision to approved material made following inspection of sample on site by Kirklees Council Conservation Officer. Preference for non-wired effect glazing material. Indicative image of material included in Insert A-4 in Appendix A.

5. CONCLUSION

5.1 Summary

5.1.1 As stated, this document is submitted in order to partially discharge Condition 2 of the granted Listed Building Consent for works to Huddersfield Station (LBC Ref: 2021/91328).

5.1.2 The works will be implemented with the materials used as agreed via this documentation. As detailed above in paragraph 3.1.5, any unforeseen circumstances leading to changes in the materials used will be communicated to Kirklees Council and changes in materials agreed accordingly.

5.1.3 Sample(s) of four of the materials will be made available by Network Rail to be shared with Kirklees Council, if required. These comprise:

- Exterior Cladding of Footbridge deck, undercroft, lift shaft
- Exterior cladding of Footbridge stairs
- Soffit panels of underside of Footbridge deck and stairs ceiling; and
- Interior Cladding of Footbridge deck

5.1.4 Sharing of the samples, photographs and detailed specifications, as well as any further agreement on the approach will be arranged and confirmed via the regular TRU Heritage Working Group.

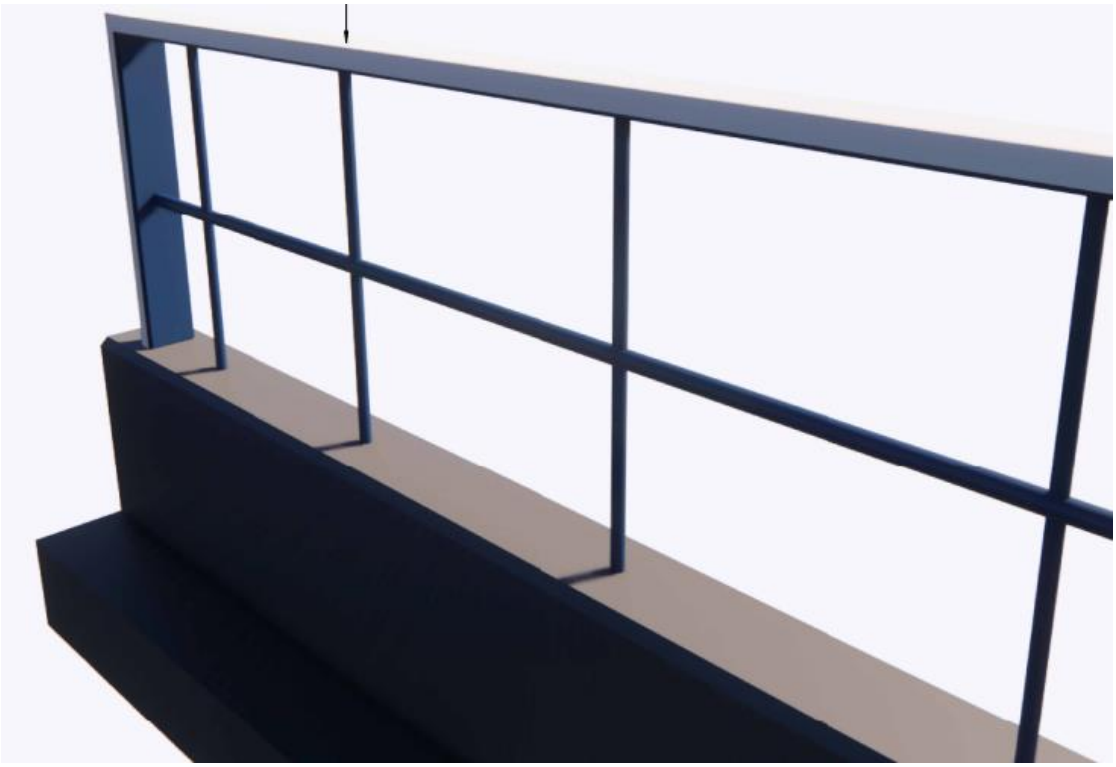
5.2 Next Steps

5.2.1 It is anticipated that the information contained within this document will be sufficient to at least partially discharge Condition 2 of the granted Listed Building Consent for works to Huddersfield Station (LBC Ref: 2021/91328), in relation to those elements of the Station covered, namely the commencement of construction of the footbridge and works to existing Platforms 1, 2, 4 and 8.

5.2.2 Network Rail will submit further Material Schedule documents to accompany future phases of the Huddersfield Station Conservation Implementation Management Plan (CIMP) (as outlined in Section 2).

APPENDIX A – INDICATIVE IMAGES OF MATERIALS

Insert A-1 – Indicative image of lift doors and surrounds, Stannah lift doors with same specification as fitted at Reading Station, see included link for further details and images: [Bespoke Lift Installations for Reading Station Revamp | Stannah](#).



Insert A-2 – Indicative image of longitudinal handrail for Penistone Line platform (future Platform 1).

Insert A-3 – Internal makeup of external lantern cladding (revision from previously approved material).

Insert A-4 – Roof A Glazing (revision from previously approved material): Example of Solid Obscure Polycarbonate Rooflight Glazing (Twinfix, Sutton Station).

APPENDIX B – DETAILED SPECIFICATION OF MATERIALS

The following list provides links to the manufacturers' specifications for materials outlined in the Schedule of Materials in Table 4-1:

- Footbridge - External and Internal bridge cladding: VitraDual® A1-Rated Non-Combustible Aluminium Cladding
- Footbridge – Slotted wall panel: Ceramapanel®A1 Rated Non-Combustible Fibre Cement Cladding
- Footbridge – Lift shaft and plant room external cladding: Vitranamel Vitreous Enamel Steel Cladding Panels
- Footbridge – Lift shaft and plant room contrast band cladding: VitraDual® A1-Rated Non-Combustible Aluminium Cladding
- Footbridge – Bridge deck finish: fc_flowfast-bc_feb-2022.pdf
- Footbridge – Bridge deck ceiling: SAS330 Suspended Ceiling
- Footbridge – underside of footbridge ceiling: Self-Supporting Ceilings - Promat
- Footbridge – Glazed sawtooth windows of footbridge and glazed staircase balustrade: Architectural Armour | High Security Laminated Security Glass
- Platform surfaces – Platform edge copers with tactile paving: Railway_v2.3.pdf

Network Rail
Waterloo General Office
London
SE1 8SW

www.networkrail.co.uk