

Area 12 Broughton Resurfacing SDF-NE-W245 Geotechnical Checklist

Document no: 617900-JAC-HGT-W245_XX-DO-CH-0001
Revision no: C01

National Highways
617900

Scheme Delivery Framework
22/09/23



Area 12 Broughton Resurfacing SDF-NE-W245 Geotechnical Checklist

Client name: National Highways
Project name: Scheme Delivery Framework
Client reference: 617900 **Project no:** SDFNE101
Document no: 617900-JAC-HGT-W245_XX-DO-CH-0001 **Project manager:** Karl Bell
Revision no: C01 **Prepared by:** C. JACKSON
Date: 22/09/23 **File name:** 617900-JAC-HGT-W245_XX-DO-CH-0001.docx
Doc status: A5 - ACCEPTED - CONSTRUCTION

Document history and status

Revision	Date	Description	Author	Checked	Reviewed	Approved
C01	22/09/23	FIRST ISSUE	CJ	CS	CS	KB

Distribution of copies

Revision	Issue approved	Date issued	Issued to	Comments

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Geotechnical Assessment Checklist

PART 1 – To be completed by the Lead Designer

Area 12 Broughton Resurfacing SDF-NE-W245 Geotechnical Checklist

Project Title:	Area 12 Broughton Resurfacing	Date:	26/07/2023
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Area 12 Broughton Resurfacing SDF-NE-W245 Geotechnical Checklist

Road/Location:	Ermine Street (Broughton Depot)	Direction:	N/A
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Area 12 Broughton Resurfacing SDF-NE-W245 Geotechnical Checklist

Start MP:	N/A	End MP:	N/A
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Area 12 Broughton Resurfacing SDF-NE-W245 Geotechnical Checklist

NH Sponsor:		NH PIN Number (If available)	617900
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Area 12 Broughton Resurfacing SDF-NE-W245 Geotechnical Checklist

Lead Designer	Karl Bell	Design Engineer:	Harrison O'Connor
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Area 12 Broughton Resurfacing SDF-NE-W245 Geotechnical Checklist

<p>Project Classification:</p>	<p><input checked="" type="checkbox"/> Road Renewals <input type="checkbox"/> LNMS <input type="checkbox"/> Structures <input type="checkbox"/> Hybrid</p>
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Area 12 Broughton Resurfacing SDF-NE-W245 Geotechnical Checklist

If 'Hybrid', give details:	
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Project Description:

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The surfacing in Broughton depot is showing signs of deterioration due to the age of the surfacing and because of winter maintenance activities. Surfacing defects are evident around the depot which are becoming hazardous. These could lead to slips, trips and/or falls. Maintenance costs will increase if improvements are not carried out. It is proposed to resurface the affected areas with a suitable material to ensure the longevity of the surfacing.

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Stage	<input type="checkbox"/> Feasibility <input type="checkbox"/> Outline Design <input checked="" type="checkbox"/> Detailed Design
Tick the box adjacent to the item if the element is expected to be included on works.	
<p>Earthworks</p> <p><input type="checkbox"/> Embankment or cutting construction / modification <2.5m maximum height</p> <p><input type="checkbox"/> Embankment or cutting construction / modification >2.5m maximum height</p> <p>Strengthened Earthworks</p> <p><input type="checkbox"/> Reinforced soil slopes</p> <p><input type="checkbox"/> Gabion baskets or crib structures</p> <p><input type="checkbox"/> Load transfer platforms</p> <p>Rock Slopes</p> <p><input type="checkbox"/> Rock cutting</p> <p><input type="checkbox"/> Rock slope modification or reinforcement</p> <p><input type="checkbox"/> Rock fall protection measures</p> <p>Earth Retaining Structures</p> <p><input type="checkbox"/> Sheet piled walls</p> <p><input type="checkbox"/> Gravity concrete or masonry walls</p> <p><input type="checkbox"/> Cantilever wall construction</p> <p><input type="checkbox"/> Other earth retaining structure</p> <p>Structural Foundations and Excavations</p> <p><input type="checkbox"/> New Structure and foundations</p> <p><input type="checkbox"/> Pier strengthening</p> <p><input type="checkbox"/> Sign bases including gantries and MS3/4</p> <p>Excavations for Tunnels and Service Ducts (including trenchless techniques)</p> <p><input type="checkbox"/> Ducts <900mm external diameter</p> <p><input type="checkbox"/> Ducts >900mm but <2000mm external diameter</p> <p><input type="checkbox"/> Ducts >2000mm external diameter</p> <p>Remedial Works to Geotechnical Defects</p> <p><input type="checkbox"/> Earthworks defects</p> <p>Temporary Works</p> <p><input type="checkbox"/> Scaffold structures for support or access</p> <p><input type="checkbox"/> Excavations supported or unsupported (>0.5m deep)</p> <p><input type="checkbox"/> Propping Systems</p> <p><input type="checkbox"/> Formwork</p> <p><input type="checkbox"/> Haul Roads and Piling Platforms</p> <p><input type="checkbox"/> Temporary bridges</p> <p><input type="checkbox"/> Groundwater control or dewatering systems</p> <p>Signs</p> <p><input type="checkbox"/> ADS <9m high (within the scope of BD94/07)</p> <p><input type="checkbox"/> ADS >9m high</p> <p><input type="checkbox"/> Other signs not classed as structures</p>	

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Lighting Columns <input type="checkbox"/> Lighting columns <20m high (within the scope of BD94/07) <input type="checkbox"/> Lighting columns >20m high Cameras <input type="checkbox"/> CCTV Specs Gatso (permanent and temporary) <25m high (within scope of BD94/07) <input type="checkbox"/> CCTV Specs Gatso (permanent and temporary) >25m high Cable Trenching <input type="checkbox"/> Lighting, comms etc <0.5m deep <input type="checkbox"/> Lighting, comms etc >0.5m deep Environmental Barriers <input type="checkbox"/> Noise fences <input type="checkbox"/> Earth bunds Buried Tanks and Ponds <input type="checkbox"/> Balancing tanks <input type="checkbox"/> Pollution control devices (e.g. petrol interceptors) <input type="checkbox"/> Fuel tanks Safety Fencing <input type="checkbox"/> Any type Carriageway Works <input checked="" type="checkbox"/> Excavation above sub-base level <input type="checkbox"/> Excavation below sub-base level Excavation / Assessment below sub-base level <input type="checkbox"/> Full depth carriageway reconstruction Other design or construction activity <input checked="" type="checkbox"/> Other design or construction activity. Give details below: Standard 50mm Resurfacing. As well as a couple of sections of 100mm			
PART 2 – To be completed by Geotechnical Advisor			
Geotechnical Advisor:		Chris Jackson	Date: 11/9/23
Scheme checked against Geotechnical Data Management System (GDMS)			
GDMS Findings:		None	
Geotechnical Advisor's Comments and Recommendations:		As this is a resurfacing scheme, there are no geotechnical activities. Just be aware though that depending on the age of the existing surfacing, from a health and safety and scheme costs perspective, Coal Tar may be present in the existing construction.	

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Is CD622 Geotechnical Certification Required?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Geotechnical category assigned	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> N/A