

**Kier Highways Project No: HE570127L**  
**Client Reference No: 570127L**  
**M4 J15-16 EB MP125.9 Technical Surveys**  
**Pre-Construction Information**



	Yes	No
Is the Scheme notifiable under the CDM Regulations 2015?		
1. Last longer than 30 working days and have more than 20 workers simultaneously at any point in the project;		✓
2. Exceed 500 person days		✓

<b>Project type as categorised by GG104</b>	<b>n/a</b>
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This document has been produced in accordance with the recommendations and requirements of the Construction (Design and Management) Regulations 2015.

	Date
Prepa Design	05/08/2020
Revie Design	12/08/2020
Accep Schem	25/08/2020

Site Specific Hazards Identified in Design		
<b><i>ONLY include significant and unusual hazards that a competent contractor would need to know, could not reasonably foresee, or are likely to be difficult to manage effectively.</i></b>		
Activity	Residual Hazard	Comments
No risks have identified in design that are not obvious to a competent contractor.		

1 Project Description			
<b>Scope of Works</b>			
<p>Technical surveys comprising:</p> <p><u>Drainage survey</u>: Covering carriageway and subsoil drainage, along the EB verge and central reservation, between MP125.8 and MP126.0.</p> <p><u>Ground Investigation</u>: Comprising intrusive exploratory holes (percussive sampling and dynamic probing) to a maximum depth of 8m, hand dug trial pits, clearance of strips of vegetation and a topographic survey</p>			
<b>Location</b>			
<p>This site is located on the M4 Eastbound, Junction 16 to 15, located at approximate MP125.9, south of Swindon, Wiltshire. as indicated in Figure 1 below. Approximate Ordnance Survey coordinates for the centre of the site are E416859, N181350. The motorway at the location is built on split level carriageways, with the eastbound carriageway on a shallow embankment, varying from less than 1m height at MP125.8 to 3.2m at MP126.0. The scheme aims to investigate the cause of hard shoulder cracking and subsidence, and kerb drainage dislocation, along approximately 60m centred at EB Marker Post MP125.9.</p> <p>For survey purposes, the site extends from approximately MP125.8 to MP126.0 of the eastbound carriageway, and is to include all assets from the boundary fence to the central reservation (catchpits on central reservation are accessible from the eastbound carriageway).</p> <p>Access to the site is via the M4 mainline and will require traffic management. The hardshoulder at the defect location is currently closed. There is no VRS along the eastbound verge. The central reservation has a double concrete barrier, at split levels.</p> <p>See Location Plan listed in Appendix A.</p>			
Site Address		M4, Swindon, SN3 1NA	
<b>Site Photographs</b>			
			
Photograph 1. Overview of site, facing west, showing hardshoulder defect and closure (February 2020)		Photograph 2. View of embankment and outfall at MP125.9 EB. Debris accumulation at outfall (February 2020)	
OSGR	From	416952, 181330	To 416764, 181368
Str Key: N/A	Structure Name: N/A		
<b>Traffic Management</b>			
<p>Traffic management is expected to comprise Lane 1 and 2 for eastbound verge surveys; Lane 2 and 3 both directions for central reservation asset surveys. Eastbound hardshoulder is currently closed due to defect.</p> <p>AADT counts are provided in the Site Information and are also available via <a href="http://webtris.highwaysengland.co.uk/">http://webtris.highwaysengland.co.uk/</a></p>			
Anticipated Working Hours, subject to Traffic Counts		2000-0600 Monday to Friday	



3. Scheme Specific Requirements			
	Yes	No	Comments
A pre-start meeting will be mandatory			
Does a H&S file exist?		✓	Historic information/ as built drawings supplied.
Site Welfare	✓		PC to supply welfare commensurate with number of workers on site. No location for static welfare has been identified and number of personnel involved will vary depending on the survey
Security / Segregation		✓	Existing Motorway boundary is adequate to protect the site. Appropriate traffic management will reduce the risk of vehicle entry into the site.
Are there any other projects taking place in the vicinity?		✓	TBC during pre-start meeting
Are there any restrictions on vehicle movements?	✓		<u>Where TM is provided:</u> All site vehicles (incl. delivery vehicles) must abide by the TM requirements and regulations and shall comply with the conspicuity requirements of Chapter 8. 1. Enter and exit site from the dedicated points; 2. Comply with the designated site safety speed limits; All vehicle movements to be controlled by a banksman. Due to limited space available within closure proper planning of order of entry of vehicles into site may be required and only essential vehicles shall be parked within TM.
Are there any restrictions on deliveries, waste collection, or storage?	✓		No deliveries to take place unless Traffic Management is in place.
Are there any parking restrictions?	✓		Only essential vehicles shall be parked within TM.
Height Restrictions			
• Overhead Cables		✓	No O/H cables on site
• Structures		✓	
Will fire precautions be required?	✓		Suitable fire precautions shall be in place in case of a plant/vehicle fire or similar
Are emergency procedures and means of escape required?	✓		The Principal Contractor shall ensure that emergency procedure plans are in place and all staff have been inducted as to where and how an emergency will be communicated and where the assembly point is Nearest A&E The Great Western Hospital Tel: 01823 333444 Address: Marlborough Road, Swindon, Wiltshire, SN3 6BB
Are there any areas in or around the site classified as no-go areas?	✓		No site personnel shall enter the safety zones or tapers within the extents of the traffic management unless trained and competent for installation/removal/maintenance of TM. The live motorway and private land beyond boundary fence are classed as no-go areas.

3. Scheme Specific Requirements			
	Yes	No	Comments
Are there any noise restrictions?		✓	No residences nearby.
Are temporary works required?		✓	
Are there any vibration restrictions?		✓	
Are there any poor or hazardous ground conditions	✓		Steep ground and locally soft ground present Subsidence in hardshoulder.
Are there any unstable structures?		✓	N/A
Are there any areas classed (existing or designed) classed as confined spaces?	✓		Manholes and catchpits which form part of the drainage asset.
Are there any smoking restrictions?	✓		No smoking is allowed on site except in designated areas.
Any environmental constraints identified?	✓		Vegetation on site is suitable for nesting birds, reptiles and amphibians. Vegetation clearance during winter months is to be undertaken under ecological supervision for hibernating reptiles and amphibians.

## Materials and Substances with Health and/or Safety Hazards

### Asbestos

The Asbestos Action Plan for the section where the site is located does not indicate any presumed or confirmed asbestos containing materials within the site. The plan however does not cover any drainage pipework or external party ducts.

The drainage information on HA DDMS indicates concrete, vitrified clay and PVC pipework through the site.

If Asbestos Containing Materials are found during construction, all works shall stop immediately and the area is to be isolated from the workforce. The Contractor must inform the Principal Contractor, who will then implement the necessary emergency response procedures in line with the Company policy.

Under no circumstances will the Contractor attempt to remove any Asbestos Containing Materials without prior consent from the overseeing organisation.

### Lead

Scope of Works are unlikely to encounter lead.

### Tar based pavement/surfacing

Scope of Works are unlikely to encounter Tar as no excavation is to be undertaken within the pavement.

### Leptospirosis/Weil's disease/Psittacosis

Contact with highway drainage during surveys presents a risk of Weil's disease. The Contractor is to ensure sufficient welfare facilities are in place at all times. All appropriate PPE must be worn at all times.

Any instances of illness / sickness on site should be reported to the Site Manager/Principal Contractor Representative immediately and the persons affected should seek medical advice.

### Covid-19 pandemic

*The Contractor is to ensure they are protecting their workforce and minimising the risk of spread of infection. They must comply with the latest Government advice on working safely during coronavirus covid-19 which is currently available at <https://www.gov.uk/guidance/working-safely-during-coronavirus-covid-19/construction-and-other-outdoor-work>. Further guidance is given in the Construction Leadership Council's "Construction Sector – Site Operating Procedures". The latest version may be found at <http://cic.org.uk/important-documents.php>*

*The health and safety requirements of any construction activity must not be compromised. If an activity cannot be undertaken in line with social distancing being implemented, or by exception, safely, without risk and mitigating measures then it shall not take place.*

4. Existing Services					Refer to STATS plans listed in Appendix D
Statutory Undertaker	Not Present	Over head	Under ground	Comments	
<b>Electricity</b>					
400/132kV [pylons]	✓				
66kV	✓				
33kV	✓				
11kV	✓				
240/415Volts	✓				
<b>Water (Foul and Potable)</b>					
Public Foul	✓				
Pressurised Foul	✓				
Public Combined Gravity	✓				
Pressurised Combined	✓				
Culverted Watercourse	✓				
Water Main	✓				
Aqueduct	✓				
<b>Communications</b>					
Communications	✓				
<b>British Telecom</b>					
British Telecom	✓				
<b>National Grid</b>					
National Grid	✓				
<b>Transco</b>					
LP Mains	✓				
MP Mains	✓				
IP Mains	✓				
LHP Mains	✓				
NHP Mains	✓				
<b>Government Pipelines</b>					
Government Pipelines	✓				
<b>Fisher German Pipelines</b>					
Fisher German Pipelines	✓				
<b>Energis</b>					
Energis	✓				
<b>Motorway Communication</b>					
Motorway Comms			✓	NRTS cables indicated at 2m offset from kerbline along EB verge	
<b>Street Lighting</b>					
Street lighting	✓				
<b>Highway Drainage</b>					
			✓	Carriageway and sub soil drains along verge and central reservation. Ditch at toe of embankment. Surface channel as kerb drainage.	
<b>Other</b>					
	✓				

## 5. Health and Safety file requirements

Not required

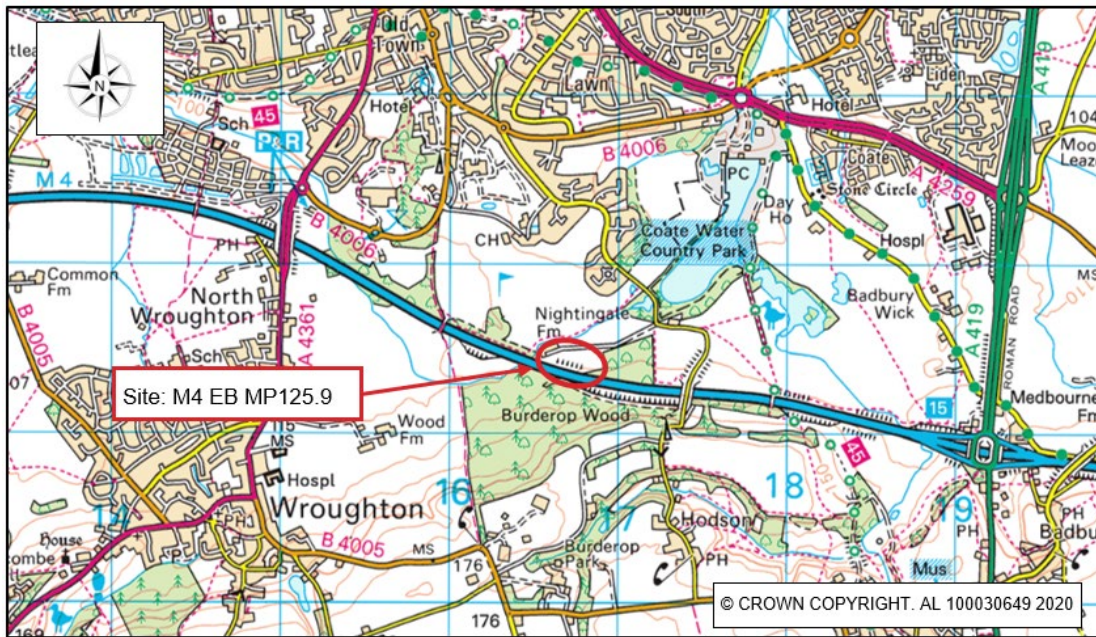


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As part of our system review, this document is valid until April 2020		





## Appendix A - Location Plan



## Appendix B - Construction Drawings

Reference	Rev	Title
HE570127L-KIER-VDS-M4_MP125_9_B-DR-CD-0501-P01.pdf	C01	Proposed Drainage Survey
HE570127L-KIER-VGT-M4_MP125_9_B-DR-CE-0601-P01.pdf	C01	Proposed Ground Investigation & Topographic Survey

## Appendix C – Existing Records and As-Built Drawings

Reference	Rev/Date	Title
3878/C2/69 Record Drawing	1972	London - South Wales Motorway M4 Motorway Drainage Plan, Sheet 6

## Appendix D - Statutory Undertaker Drawings

Reference	Rev	Title
Index_M4-040	-	C2 Stats Service Locations Index
TOPO1250_M4-040-16380	-	C2 Stats Service Locations
MCY_060_M4_DT_1250_1265	A	M4 Communications Records MP125/0 to 126/5

## Appendix E – Overhead cables

Not Used



**Appendix F - List of Structures**

Not Used

**Appendix G - Asbestos Action Plans**

Area 2 Asbestos Action Plan For M4 J15-18 Eastbound and Westbound

Date First Compiled: March 2008

Last Reviewed: October 2014

FOR INFORMATION ONLY



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