

Kier Highways Project No: 570122

Client Reference No: 570122

*570122 251 M5 J15 C, H and G Loop NB MP 131.5_130.3
RS*

Pre-Construction Information

	Yes	No
Are Works to be carried out under the Commission / Contract Health and Safety Plan?		✓
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		✓

Project type as categorised by GG104 (if applicable to contract / delete in not required)	A
<p>* If applicable GG104 will determine the Kier Highways minimum Scheme Principal Designer (Scheme PD) level.</p> <p>Refer to SHEMS-FOR-HIG-S-055 for GG104 type categorisation and minimum Scheme PD level.</p> <p>Type A projects the Design Team Lead, Type B projects the Senior Manager, Type C projects the Service Director.</p>	

This document has been produced in accordance with the recommendations and requirements of the Construction (Design and Management) Regulations 2015.

	Name	Signed	Date
Prepared by: Designer			-09-2020
Reviewed by; Design Team Lead			-09-2020
Accepted by: Scheme PD			-09-2020

'Reviewed by' & 'Accepted by' can be the same person for GG104 type A projects (where the Design Team Lead is the Scheme PD)

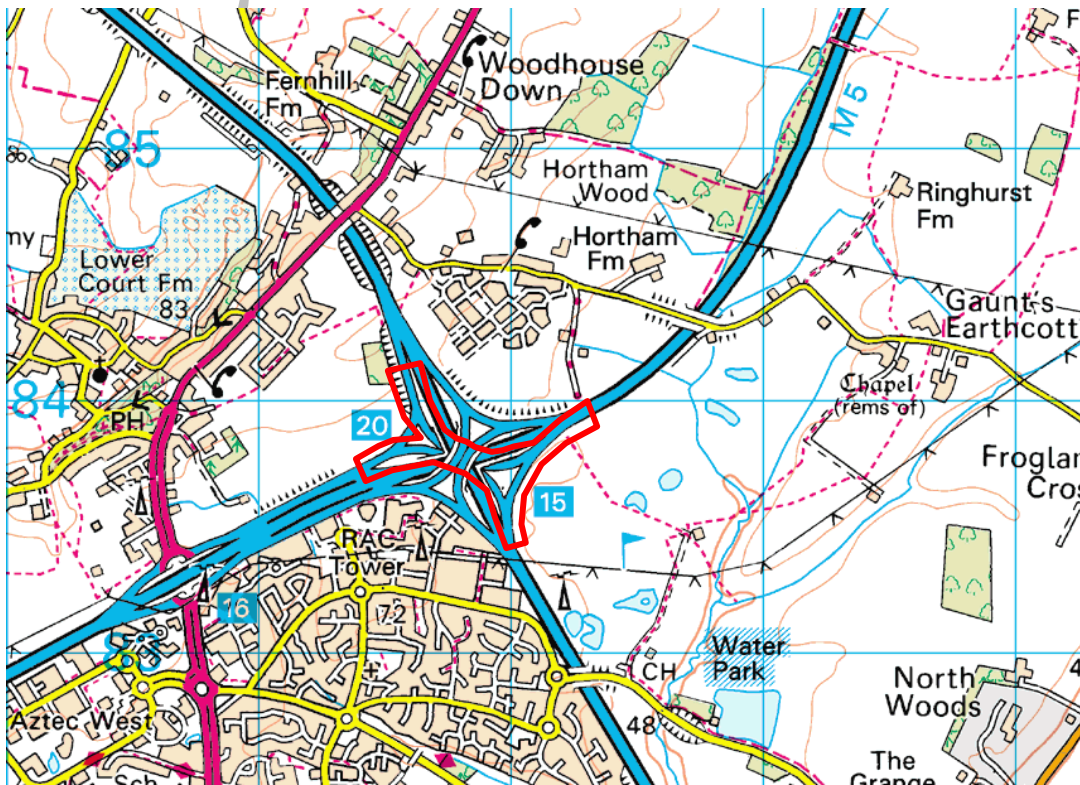


Authorised By: [Redacted]	Page 1 of 11	SHEMS-FOR-HIG-051
Author: Highways CDM Team	Date: October 2019	Version: 1.0
As part of our system review, this document is valid until April 2021		



Site Specific Hazards Identified in Design		
<p><i>ONLY</i> 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.</p>		
Activity	Residual Hazard	Comments
Pavement Coring	Presence of Coal Tar.	Contractor to ensure that all workers wear appropriate PPE at all times during construction works and any tar arisings will be disposed of and taken to licensed tips in line with the Company policy and the requirements for materials containing tar.

FOR INFORMATION ONLY

1 Project Description			
Scope of Works			
<p>Survey Scope of Works – Pavement Coring</p> <p>To undertake 83 No. Pavement cores along with 1 no. DCP test to determine existing Construction Layers, including PAK marker testing to confirm the likelihood of the presence of Tar Bound Materials (TBM).</p> <p>Possible follow up PAH lab testing if any PAK test identifies a positive indication of tar bound materials.</p> <p>For locations, please refer to the following VCS Plans:</p> <p>570122 251 M5 J15 C Loop - Defect & Treatment Plan (Sheets 1 to 2)</p> <p>570122 251 M5 J15 G Loop - Defect & Treatment Plan (Sheets 1 to 2)</p> <p>570122 251 M5 J15 H Loop - Defect & Treatment Plan (Sheets 1 to 2)</p>			
Location			
<p>The surveys are to be undertaken along the C loop, G loop and H loop of the M5 J15 Almondsbury Interchange.</p> 			
Site Address	C loop, G loop and H loop of the M5 J15 Almondsbury Interchange.		
Locality	Almondsbury, Somerset		
OSGR, MP or	From	130/3	To 131/5
Str Key / Name	N/A		

1 Project Description					
Traffic Management					
Traffic Management is to be provided by Highways England with survey works to be carried out under full slip road closures and where possible, lane closures. Layout provided to be in accordance with TSM Chapter 8.					
Traffic Flows					
<p><u>C Loop (before H Loop split)</u> AADT = 18,681 vehicles HGV% = 18.7% Source: WebTRIS Annual Report 2019</p> <p><u>C Loop (after H Loop split but before G Loop join)</u> AADT = 12,166 vehicles HGV% = 12.3% Source: WebTRIS Annual Report 2019</p> <p><u>C Loop (after G Loop join)</u> AADT = 38,009 vehicles HGV% = 13.7% Source: WebTRIS Annual Report 2019</p> <p><u>H Loop</u> AADT = 6,327 vehicles HGV% = 26.6% Source: WebTRIS Annual Report 2019</p> <p><u>G Loop</u> AADT = 25,780 vehicles HGV% = 12.0% Source: WebTRIS Annual Report 2019</p>					
Anticipated Working Hours, subject to Traffic Counts				Night-time shifts (21:00-06:00)	
Mobilisation Period	TBC by HE	Anticipated Start Date	TBC by HE	Anticipated End Date	TBC by HE

3. Scheme Specific Requirements			
	Yes	No	Comments
Does an H&S file exist?		X	No existing H&S File has been made available by Highways England.
Site Welfare	X		Welfare van on site for duration of works.
Security / Segregation	X		Existing highway boundary is adequate to protect the site.
Are there any other projects taking place in the vicinity?		X	Unknown at this stage. HE PM to provide details.
Are there any restrictions on vehicle movements?	X		All site vehicles (incl. delivery vehicles) must abide by the TM requirements and regulations 1. Enter and exit site from the dedicated points; 2. Comply with the designated site safety speed limits; All vehicles within Traffic Management shall comply with the requirements of Chapter 8.
Are there any restrictions on deliveries, waste collection, or storage?	X		No deliveries to take place unless Traffic Management is in place. No waste shall be stored on site. Waste Carriers Licence required
Are there any parking restrictions?	X		All vehicles and plant within the works area shall be parked in a safe area clear of access and egress points. All vehicles and plant shall be removed from the carriageway prior to removal of traffic management. No Private vehicles are allowed on site
Height Restrictions	X		
Overhead Cables	X		If Overhead Cable heights found on site – heights to be determined on site by CWF Contractor
Structures	X		Some cores required under the Almondsbury Interchange. Almondsbury Interchange 1047 Gantry 28299 Gantry 28265 Gantry 28264 Gantry 13985
Will fire precautions be required?	X		Suitable fire precautions shall be in place and in accordance with the Contractors hot works permit.
Are emergency procedures and means of escape required?	X		The Contractor shall ensure that emergency procedure plans are in place and all staff have been inducted. One lane will always remain serviceable throughout the works duration for emergency services. Nearest A&E hospital: Southmead Hospital, Bristol BS10 5NB Tel: 0117 950 5050

3. Scheme Specific Requirements			
	Yes	No	Comments
Are there any areas in or around the site classified as no-go areas?	X		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. Provision of minimum 20m Pedestrian worker Exclusion zone, behind and in front of Operating Road Sweeper to be in place. Sub-Contractor's Method Statements and Risk Statements shall contain suitable risk control to protect pedestrian workers and plant operators.
Are there any noise restrictions?	X		The Contractor shall comply with the requirements of BS 5228 Parts 1, 2 & 4 (Noise in Relation to Construction). The Contractor shall ensure that the best practicable means of minimising noise are employed throughout the proposed works ensuring the quietest methods of working are used.
Are temporary works required?		X	
Are there any vibration restrictions?	X		The Contractor shall ensure that the peak particle velocity and frequency generated from any operation during the associated works does not present risk of damage to any structure.
Are there any poor or hazardous ground conditions		X	Unknown at this stage, pavement cores to confirm.
Are there any unstable structures?		X	
Are there any areas classed (existing or designed) classed as confined spaces?		X	
Are there any smoking restrictions?	X		No smoking is allowed on site. Designated smoking areas to be confirmed during site inductions.
Any environmental constraints identified?		X	Unknown at this stage, pavement cores to confirm.

Materials and Substances with Health and/or Safety Hazards

Asbestos – Highways

There is no AAP in place covering this section of highway.

As confirmed by HE Asset Engineer – no AAP required for core survey activities.

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

Potential hazardous materials from pavement coring operations.

If PAK testing of cores result in a positive test – core to be stored and taken to a lab for further PAH testing to aid with design and to determine the correct method of disposal.

If disposal of TBM required - reference should be made to the Environment Agency Regulatory Position Statement on 'The Use of Treated Asphalt Waste Containing Coal Tar in Construction Operations', Ref.: MWRP RPS 075 Version: 4, Issued September 2014.

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				
Statutory Undertaker	Not Present	Over head	Under ground	Comments
Electricity				
400/132kV [pylons]	X			
66kV	X			
33kV	X			
11kV	X			
240/415Volts	X			
Water (Foul and Potable)				
Public Foul	X			
Pressurised Foul	X			
Public Combined Gravity	X			
Pressurised Combined	X			
Culverted Watercourse	X			
Water Main	X			
Aqueduct	X			
Communications				
Communications			X	
British Telecom				
British Telecom	X			
National Grid				
National Grid	X			
Transco				
LP Mains	X			
MP Mains	X			
IP Mains	X			
LHP Mains	X			
NHP Mains	X			
Government Pipelines				
Government Pipelines	X			
Fisher German Pipelines				
Fisher German Pipelines	X			
Energis				
Energis	X			
Motorway Communication				
Motorway Comms			X	
Street Lighting				
Street lighting			X	
Highway Drainage				
			X	
Other				
Loop Installations			X	Cores are adjacent to Loops in some locations. No Cores to be carried out within 5m of Loops.

5. Health and Safety file requirements

All information will be produced in an electronic format. The format of the electronic data issued is to be as follows: All documents and product data sheets are to be in PDF format, drawings are to be in PDF and AutoCAD DWG format.

The Principal Contractor shall collate all appropriate information as it becomes available, and this shall subsequently be collated in the File. The Principal Contractor is to implement an early procedure that advises contractors and materials suppliers of the detailed requirements for this record information. The health and safety file will be created and/or updated in accordance with the requirements of the IAN105/08.

FOR INFORMATION ONLY

For locations please refer to the project description above and the following VCS Plans:

570122 251 M5 J15 C Loop - Defect & Treatment Plan (Sheets 1 to 2)

570122 251 M5 J15 G Loop - Defect & Treatment Plan (Sheets 1 to 2)

570122 251 M5 J15 H Loop - Defect & Treatment Plan (Sheets 1 to 2)

Appendix B - Construction Drawings

See Document Issue Sheet for list of current scheme drawings, alternately list below.

Reference	Rev	Title
570122 251 M5 J15 C Loop - Defect & Treatment Plan (Sheets 1 to 2)	C1	VCS Plans
570122 251 M5 J15 G Loop - Defect & Treatment Plan (Sheets 1 to 2)	C1	
570122 251 M5 J15 H Loop - Defect & Treatment Plan (Sheets 1 to 2)	C1	

Appendix C - Statutory Undertaker Drawings

See Document Transmittal note for list of statutory undertaker drawings (C2 Returns).

Appendix D - List of Structures

For Locations refer to VCS plans listed above

Structure	Type	Location Ref	Str key
Almondsbury Interchange 1047	Over Bridge	G Loop / H Loop	1047
Gantry 28299	Gantry	G Loop	28299
Gantry 28265	Gantry	C Loop/ H Loop	28265
Gantry 28264	Gantry	C Loop	28264
Gantry 13985	Gantry	C Loop	13985