

Kier Highways Project No: 570131 M5 J9 SB On-Slip VRS & Embankment 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	A
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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			
Reviewed by; Lead Designer			
Accepted by: Scheme PD			

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



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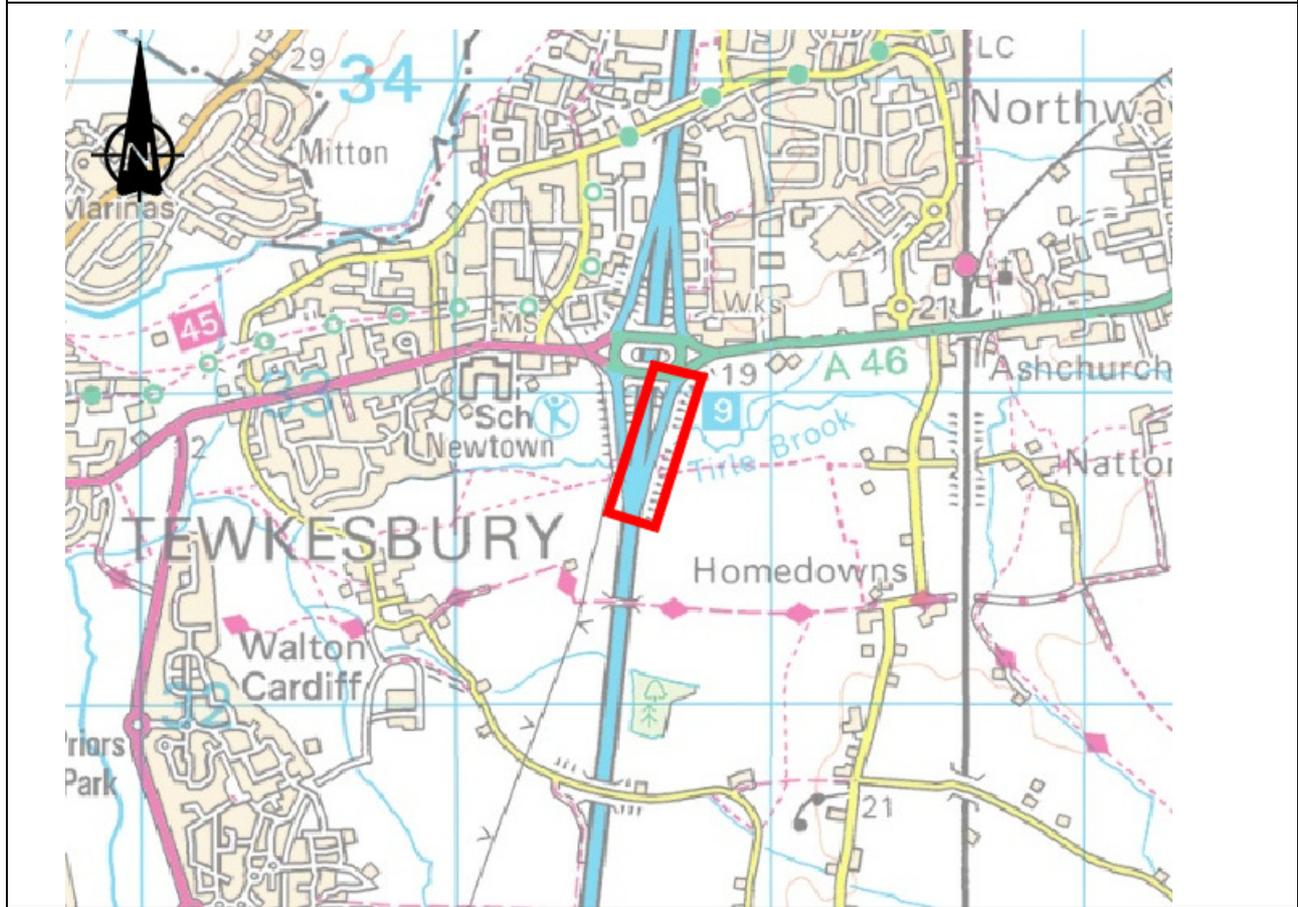
Site Specific Hazards Identified in Design		
<i>ONLY include significant and unusual hazards that a competent contractor would need to know, could not reasonably foresee, or are likely to be difficult to manage effectively.</i>		
Activity	Residual Hazard	Comments
Test Pit, Drainage CCTV Survey, Topo Survey	Working on or adjacent to the live carriageway	Traffic Management shall be designed in accordance with Chapter 8. Works to be carried out with lane closures on the main carriageway outside the Amenity Area as required. Amenity Area to be closed at night for the duration of the surveys. Advanced signing to be erected prior to start of works.
Test Pit	Underground Services	Statutory Undertakers C2 returns obtained and provided with scheme information. Approximate location of buried services plotted on the Statutory Undertakers drawing and survey drawings supplied to the Contractors.
Test Pit, Drainage CCTV Survey, Topo Survey	Plant Movement	Traffic Management design to allow adequate working space and room for delivery and/or storage of materials. A traffic management plan shall be developed by the Contractor. A clear one-way system shall be implemented on site where the need for reversing is minimized. People should be kept away from areas of machinery by the provision of suitable barriers.
Test Pit, Drainage CCTV Survey, Topo Survey	Asbestos	There is AAPs covering the scheme stored within HAPMS. Presumed Asbestos contained within the Electrical Cabinets throughout the scheme extents. Presumed Asbestos also contained within drainage features throughout the scheme extents. No presumed ACM's will be disturbed by the surveying works.
Test Pit,	Tar Bound Material	A pavement survey was undertaken in 2015 which included several cores being taken across the extents of the slip road. All cores were subject to the initial PAK test which reveals the presence of coal tar. Core logs identify that TBM's are present at various layers between a depth of 99mm to 262mm in certain areas. It is anticipated that the trial holes will affect the tar bound materials. All affected materials to be disposed of as Tar Bound Material with EWC code 17 03 01*.
Test Pit, Drainage CCTV Survey, Topo Survey	Working near a watercourse (Tirle Brook)	Safe system of working to be developed by the Contractor for working over existing watercourse (tirle Brook). Refueling of vehicles, plant and equipment to be carried out away from watercourse.

1 Project Description

Scope of Works

This scheme is located on the M5 Junction 9 Southbound on-slip. There are defects in the carriageway which continue to reappear in the same locations after being treated. The purpose of the scheme is to investigate the carriageway defects which reoccurring in those locations. The scheme is currently in the feasibility stage and consists of obtaining several different surveys required to develop the design. The surveys being undertaken are as follows; topographical survey, test pits in carriageway survey with dynamic cone penetrometer testing and drainage CCTV survey.

Location



Site Address	M5 Junction 9 On-Slip				
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Approx MP	From	70/2 (On-Slip)	To	70/9
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Str Key / Name	1,648	Tirl Brook Culvert
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Traffic Management

Traffic Management arrangements will vary depending on the survey works being undertaken which include:

- Night-time full closure of on-slip with associated night-time hardshoulder and Lane 1 closure on the Southbound mainline and night time roundabout circulatory Lane 1/Lane 2 closures.
- Day-time hardshoulder closures

Anticipated Working Hours, subject to Traffic Counts	TBC by TM Contractor and agreed with HE PM.
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Mobilisation Period	TBC	Anticipated Start Date	TBC	Anticipated End Date	TBC
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3. Scheme Specific Requirements			
	Yes	No	Comments
Does an H&S file exist?		✓	No H&S file has been available by the client.
Site Welfare	✓		Site Welfare provisions are described in Clause 174AR of the CWF Master Specification.
Security / Segregation	✓		Any excavations or incomplete works will need to be protected when the site is not attended.
Are there any other projects taking place in the vicinity?		✓	None known.
Are there any restrictions on vehicle movements?	✓		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 conspicuity requirements of Chapter 8.
Are there any restrictions on deliveries, waste collection, or storage?	✓		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?	✓		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 Overhead Cables		✓	C2 research and site visits have confirmed that there are no overhead cables within the scheme extents. Approximate location of existing services is plotted on the statutory undertakers drawing and on survey drawings.
Height Restrictions Structures	✓		The Ashchurch Interchange South overbridge is within close proximity of the scheme extents. Overbridge will not be affected by the survey works.
Will fire precautions be required?	✓		Suitable fire precautions shall be in place and in accordance with the Contractors hot works permit.
Are emergency procedures and means of escape required?	✓		The Contractor shall ensure that emergency procedure plans are in place and all staff have been inducted. One lane will remain serviceable throughout the works duration for emergency services at all times. Nearest A&E hospital to the site is : Gloucestershire Royal Hospital Great Western Road Gloucester Gloucestershire GL1 3NN

3. Scheme Specific Requirements			
	Yes	No	Comments
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. 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?		✓	
Are temporary works required?		✓	
Are there any vibration restrictions?	✓		The Vibration Regulations require you to: <ul style="list-style-type: none"> • make sure that risks from vibration are controlled; • provide information, instruction and training to employees on the risk and the actions being taken to control risk; and • provide suitable health surveillance. Detailed guidance on controlling the risk is contained in Hand-arm vibration. Control of Vibration at Work Regulations 2005.
Are there any poor or hazardous ground conditions	✓		Core logs identify that TBM's are present at various layers between a depth of 99mm to 262mm in certain areas. It is anticipated that the trial holes will affect the tar bound materials. All affected materials to be disposed of as Tar Bound Material with EWC code 17 03 01*.
Are there any unstable structures?		✓	None that we are aware of.
Are there any areas classed (existing or designed) classed as confined spaces?		✓	
Are there any smoking restrictions?	✓		No smoking is allowed on site. Designated smoking areas to be confirmed during site inductions.
Any environmental constraints identified?	✓		Vegetation clearance shall be carried outside of the breeding bird and main ecological active season (March to September). If the works are occurring outside of the period of March to September, ecological supervision will be required for the vegetation clearance.

Materials and Substances with Health and/or Safety Hazards

Asbestos

Please refer to Asbestos Control Checklist in Appendix C.

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

Core logs identify that TBM's are present at various layers between a depth of 99mm to 262mm in certain areas throughout the scheme extents. It is anticipated that the trial holes will affect the tar bound materials. All affected materials to be disposed of as Tar Bound Material with EWC code 17 03 01*.

Leptospirosis/Weil's disease / Psittacosis

Contact with highway drainage during construction potential 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.



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4. Existing Services

For location of existing services please refer to drawing numbers HE570131-0100_01.

The names, addresses and contact details of the statutory undertakers and utility companies serving in the locality are listed below.

Company	Address	Emergency Contact Number
Wales & West Utilities	Wales & West Utilities Ltd Wales and West House Spoooner Close Celtic Springs Coedkernew Newport NP10 8FZ	Tel: 0845 437 7365
Western Power Distribution	Map Response Team Mapping Centre Toll End Road Tipton West Midlands DY4 0HH	Tel: 0210 889 2288 Email: wpdnewsupplies@westernpower.co.uk
Comms	Telent	0845 6032239 service@nrtco.com
Severn Trent Water	Record Management Centre Waterworks Road Edgbaston Birmingham B16 9DD	Tel: 0121 4523306

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.



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Appendix A - Construction Drawings

Reference	Rev	Title
HE570131-0000_01	C0	Drainage CCTV Survey
HE570131-0000_02	C0	Trial Hole Survey
HE570131-0000_03	C0	Topographical Survey & Vegetation Clearance
HE570131-0100_01	C0	Statutory Undertakers

Appendix B - List of Structures

Structure	Type	Location Ref	Str key	OSGR
Ashchurch Interchange South	Overbridge	M5 J9	1,647	E: 391605 N: 233066
Tirle Brook Culvert	Culvert	South of M5 J9	1,648	E: 391576 N: 232797

Appendix C - Asbestos Control Checklist



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