

Kier Highways Project No: 570122

Client Reference No: 563

A4 Portway Rbt. Incl. to end of Network BD

MP 204.5 – 204.6

Coring, PAK & DCP Testing

Pre-Construction Information

	Yes	No
Is the Scheme notifiable under the CDM Regulations 2015?		X
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
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This document has been produced in accordance with the recommendations and requirements of the Construction (Design and Management) Regulations 2015.

Prepared by: Designer			
Reviewed by; Design Team Lead			
Accepted by: Scheme PD			



Authorised By: [REDACTED]	Page 1 of 10	SEMS-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 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></p> <p>Note – Consideration to be given to all ‘populations’ affected, Workers, Users, Other Parties.</p>		
Activity	Residual Hazard	Comments
Coring	Service Strike	Locate services prior to coring. C2 returns included in Stats pack
Undertaking survey in vicinity of overhead cables	Service Strike	Measure cable height prior to coring
Undertaking survey in vicinity of overhead structure	Headroom restrictions	Measure headroom prior to coring
Handling cores	Tar bound materials	Use appropriate PPE and RAMS until presence of TBM has been eliminated
Undertaking survey	Live traffic	TM and Road Closure (as required)
All work activities	Covid 19	Suitable safe systems of work incorporating latest Government guidance

1 Project Description					
Scope of Works					
Undertake 150mm dia cores, PAK testing and selective DCP testing at specified locations within the pavement.					
See Scheme Drawings in addition to documents Works Info and Site Info listed in Appendix A					
Location					
The scheme is located on the A4 Portway Rbt. Incl. to end of Network BD MP 204.5 – 204.6					
Site Address		A4 Portway Rbt. Incl. to end of Network BD MP 204.5 – 204.6			
Site Photographs					
MP	From	204.5	To	204.6	
Traffic Management					
Traffic Management is to be done on nights with Lane Closures and inner/outer ring management. AADT 21398 and 7.7% cvs, 40mph speed limit, emergency access to be maintained					
Anticipated Working Hours, subject to Traffic Counts			Night Shifts (Confirmed by HE)		
Mobilisation Period	TBC by HE	Anticipated Start Date	TBC by HE	Anticipated End Date	TBC by HE

3. Scheme Specific Requirements			
	Yes	No	Comments
A pre-start meeting will be mandatory			
Does an H&S file exist?		X	No H&S file has been supplied by the client.
Site Welfare	X		Contractor to provide welfare facilities
Security / Segregation		X	Highways boundary adequate to protect site
Are there any other projects taking place in the vicinity?		X	
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 conspicuity 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			
Overhead Cables	X		Have overhead cables been identified on site? YES Obtain Safe Working Heights in line with GS6
Structures	X		Multiple structures within scheme extents, refer to Appendix D
Will fire precautions be required?	X		Suitable fire precautions shall be in place
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 remain serviceable throughout the works duration for emergency services at all times. Nearest A&E hospital: Bristol Royal Infirmary Upper Maudlin Street Bristol BS2 8HW Tel: 0117 342 1000

3. Scheme Specific Requirements			
	Yes	No	Comments
Are there any areas in or around the site classified as no-go areas?	X		<i>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.</i>
Are there any noise restrictions?		X	
Are temporary works required?		X	
Are there any vibration restrictions?		X	
Are there any poor or hazardous ground conditions		X	
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		<i>No smoking is allowed on site. Designated smoking areas to be confirmed during site inductions.</i>
Any environmental constraints identified?		X	

Materials and Substances with Health and/or Safety Hazards

Asbestos

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.

PAK Testing for Tar based pavement/surfacing

Risk of Tar in lower pavement layers. PAK Tests are indicative only and need confirming by laboratory testing. Tar is unlikely to be encountered in surface course. If Tar has been identified locations should be clearly marked on the scheme's drawings.

Leptospirosis/Weil's disease / Psittacosis

Contact with highway drainage during resurfacing works 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.

4. Existing Services Refer to STATS plans listed in attached Stats Pack				
Statutory Undertaker	Not Present	Over head	Under ground	Comments
Electricity If overheads cables are identified they should be clearly marked on the scheme drawings				
400/132kV [pylons]		X		Shown on drawing TOPO1250_A4-001-06552
66kV	X			
33kV			X	Shown on drawing TOPO1250_A4-001-06552
11kV			X	Shown on drawing TOPO1250_A4-001-06552
240/415Volts			X	Shown on drawing TOPO1250_A4-001-06552
Water (Foul and Potable)				
Public Foul	X			
Pressurised Foul	X			
Public Combined Gravity	X			
Pressurised Combined	X			
Culverted Watercourse	X			
Water Main			X	Shown on drawing TOPO1250_A4-001-06552
Aqueduct	X			
Communications				
Communications			X	Shown on drawing TOPO1250_A4-001-06552
British Telecom If overheads cables are identified they should be clearly marked on the scheme drawings				
British Telecom		X	X	Shown on drawing TOPO1250_A4-001-06552
National Grid				
National Grid	X			
Transco				
LP Mains			X	Shown on drawing TOPO1250_A4-001-06552
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	Shown on drawing TOPO1250_A4-001-06552
Highway Drainage				
			X	Shown on drawing TOPO1250_A4-001-06552
Other				
CLH Pipeline			X	Shown on drawing TOPO1250_A4-001-06552
Virgin Media			X	Shown on drawing TOPO1250_A4-001-06552

5. Health and Safety file requirements

H&S File not required for survey works. All information shall be included in the survey reports.

Appendix A - Construction Drawings & Documents

Reference	Title
570122 – 563-KIER-VGN-A4 MP 204.5 - 204.6-DR-CH-001	Defect Plan
563 A4 Portway Core Schedule and Defect Photographs	Photos Sheet and Core Schedule
570122 563 - A4 BD MP 204.5 - 204.6 RS - Site Info	Site Information Document
570122 563 - A4 BD MP 204.5 - 204.6 RS - Works Info	Work Information Document

Appendix B - Statutory Undertaker Drawings

Refer to attached Stats Pack

Appendix C – Overhead cables

See GS6 Measurements and Essential Safety Data, or alternately list below.

If overheads cables are identified they should be clearly marked on the contract drawings.

Appendix D - List of Structures

Structure	Type	Location Ref	Str key	MP
Portway Footbridge	Overbridge	352212, 177721	Non HE	

Appendix E - Asbestos Action Plans

019 AAP M5 J17 J19

All Electrical cabinets within site extents assumed ACM