

**Kier Highways Project No: 526**  
**Client Reference No: 526**  
**M5 26- 27 SB 227 – 229.5 RS 150mm dia Cores, DCP,**  
**PAK testing & GPR surveys**  
**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	A
--------------------------------------	---

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

	Date
Prepared by: Designer	11/03/2020
Reviewed by; Design Team Lead	27/03/2020
Accepted by: Scheme PD	31/03/2020



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 2020		



Site Specific Hazards Identified in Design		
<p><b><i>ONLY</i></b> 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> <p><b>Note – Consideration to be given to all ‘populations’ affected, Workers, Users, Other Parties.</b></p>		
Activity	Residual Hazard	Comments
Coring	Service Strike	Locate services prior to coring
Handling cores	Tar bound materials	Use appropriate PPE until presence of TBM has been eliminated
Undertaking survey in vicinity of overhead cables	Service Strike	Measure cable height prior to coring
Undertaking survey in vicinity of loop sites	Coring through loops – Service strike	Locate loop sites and undertake coring outside of these locations
Undertaking survey in vicinity of overhead structure	Headroom restrictions	Measure headroom prior to coring
Undertaking survey	Live traffic	TM and Road Closure (as required)

FOR INFORMATION ONLY



Authorised By: [REDACTED]	Page 2 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 2020		



1 Project Description					
<b>Scope of Works</b>					
Undertake surveys including: 150mm dia. Cores, DCP, PAK testing and GPR at specified locations within the pavement. For survey locations see Scheme Drawings listed in Appendix A					
<b>Location</b>					
Southbound carriageway between Junctions 26 (Wellington) and 27 (Tiverton), marker posts 227 – 229.5					
Site Address		M5 J26 – 27, Devon, EX16 7HD			
<b>Site Photographs</b>					
<b>MP</b>	From	227	To	229.5	
<b>Traffic Management</b>					
Traffic Management will be full closure (TBC) AADT 33259, 16.2% CV's, national speed limit (70mph), emergency access to be maintained, recovery vehicles not required					
Anticipated Working Hours, subject to Traffic Counts			Night Shifts		
<b>Mobilisation Period</b>	TBC	Anticipated Start Date	TBC	Anticipated End Date	TBC

<b>2</b>	<b>Scheme Management and</b>		
<b>Client – Highways England</b>			
<b>Principal Designer – Kier Highways</b>			
<b>Scheme Designer – Kier Highways</b>			
<b>Principal Contractor – TBC</b>			
	<b>Email</b>		
<b>Local Authority (Environmental)</b>			
<b>Mid Devon District Council</b> Phoenix House Phoenix Lane Tiverton EX16 6PP			
<b>Local Authority (Highways)</b>			
<b>Devon County Council,</b> County Hall, Topsham Road, Exeter, Devon EX2 4QD			



Authorised By: [REDACTED]	Page 4 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 2020		



3. Scheme Specific Requirements			
	Yes	No	Comments
A pre-start meeting will be mandatory			
Does an H&S file exist?		X	
Site Welfare	X		<i>Contractor to provide welfare facilities</i>
Security / Segregation		X	<i>Highways Boundary adequate to protect site</i>
Are there any other projects taking place in the vicinity?		X	
Are there any restrictions on vehicle movements?	X		<i>All site vehicles (incl. delivery vehicles) must abide by the TM requirements and regulations</i> 1. <i>enter and exit site from the dedicated points;</i> 2. <i>Comply with the designated site safety speed limits;</i> <i>All vehicles within Traffic Management shall comply with the conspicuity requirements of Chapter 8.</i>
Are there any restrictions on deliveries, waste collection, or storage?	X		<i>No deliveries to take place unless Traffic Management is in place.</i> <i>No waste shall be stored on site.</i> <i>Waste Carriers Licence required</i>
Are there any parking restrictions?	X		<i>All vehicles and plant within the works area shall be parked in a safe area clear of access and egress points.</i> <i>All vehicles and plant shall be removed from the carriageway prior to removal of traffic management.</i> <i>No Private vehicles are allowed on site</i>
Height Restrictions	X		
Overhead Cables	X		<i>Have overhead cables been identified on site? YES</i> <i>Obtain Safe Working Heights in line with GS6</i>
Structures	X		<i>Are there any overhead structures? YES</i> <i>Confirm Head Room</i>
Will fire precautions be required?	X		<i>Suitable fire precautions shall be in place</i>
Are emergency procedures and means of escape required?	X		<i>The Contractor shall ensure that emergency procedure plans are in place and all staff have been inducted.</i> <i>One lane will remain serviceable throughout the works duration for emergency services at all times.</i> <i>Nearest A&amp;E hospital: Musgrove Park Hospital, Parkfield Drive, Taunton, Somerset, TA1 5DA</i>
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.</i> <i>Provision of minimum 20m Pedestrian worker Exclusion zone, behind and in front of Operating Road Sweeper to be in place.</i> <i>Sub-Contractor's Method Statements and Risk Statements shall contain suitable risk control to protect pedestrian workers and plant operators.</i>

3. Scheme Specific Requirements			
	Yes	No	Comments
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	

PRE-CONSTRUCTION INFORMATION ONLY

### 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.*

#### Tar based pavement/surfacing

*Tar is unlikely to be encountered in surface course. Risk of Tar in lower pavement layers. PAK Tests are indicative only and need confirming by laboratory testing.*

#### 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.*



Authorised By: [REDACTED]	Page 7 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 2020		



4. Existing Services				
Refer to STATS plans listed in Appendix B				
Statutory Undertaker	Not Present	Over head	Under ground	Comments
<b>Electricity</b> If overheads cables are identified they should be clearly marked on the scheme drawings				
400/132kV [pylons]	X			
66kV	X			
33kV	X			
11kV		X		
240/415Volts			X	
<b>Water (Foul and Potable)</b>				
Public Foul	X			
Pressurised Foul	X			
Public Combined Gravity	X			
Pressurised Combined	X			
Culverted Watercourse	X			
Water Main	X			
Aqueduct	X			
<b>Communications</b>				
Communications	X			
<b>British Telecom</b> If overheads cables are identified they should be clearly marked on the scheme drawings				
British Telecom			X	
<b>National Grid</b>				
National Grid				
<b>Transco</b>				
LP Mains	X			
MP Mains	X			
IP Mains	X			
LHP Mains	X			
NHP Mains	X			
<b>Government Pipelines</b>				
Government Pipelines	X			
<b>Fisher German Pipelines</b>				
Fisher German Pipelines	X			
<b>Energis</b>				
Energis	X			
<b>Motorway Communication</b>				
Motorway Comms			X	Adjacent to carriageway, loops in carriageway within scheme extents
<b>Street Lighting</b>				
Street lighting	X			
<b>Highway Drainage</b>				
			X	Chambers in hard shoulder
<b>Other</b>				

**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



Authorised By: [REDACTED]	Page 9 of 10	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 2020		



**Appendix A - Construction Drawings**

Reference	Rev	Title
526- M5 26 – 27 SB 277 – 229.5 RS-001	C1	Core Location Plan Sheet 1
526- M5 26 – 27 SB 277 – 229.5 RS-002	C1	Core Location Plan Sheet 2
526- M5 26 – 27 SB 277 – 229.5 RS-003	C1	Core Location Plan Sheet 3

**Appendix B - Statutory Undertaker Drawings**

Reference	Rev	Title	Company
OEB10561U		291 - BT_ OEB10561U	Openreach
YXA10566H		291 - BT_ YXA10566H	Openreach
ZQT10569P		291 - BT_ ZQT10569P	Openreach
342		342 – Instalcom_M5_38	Instalcom
389		389 – SouthWestWaterSupply_M5_38	South West Water
15559979		15559979_WPD – South West	WPD
15560018		15560018_WPD – South West	WPD
15560055		15560055_WPD – South West	WPD
15560093		15560093_WPD – South West	WPD
15952858		15952858 – WWU_417	Wales & West Utilities
17364700_398		17364700_398-262511606_Tata Communications	Tata
M5_38		M5_38 Telecoms supplied by Virgin Media	Virgin Media

**Appendix C – Overhead cables**

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

**Appendix D - List of Structures**

Structure	Type	Location Ref	Str key	OSGR
	Overbridge			

**Appendix E - Asbestos Action Plans**

110 B M5 24 – 27 AAP March 2014