

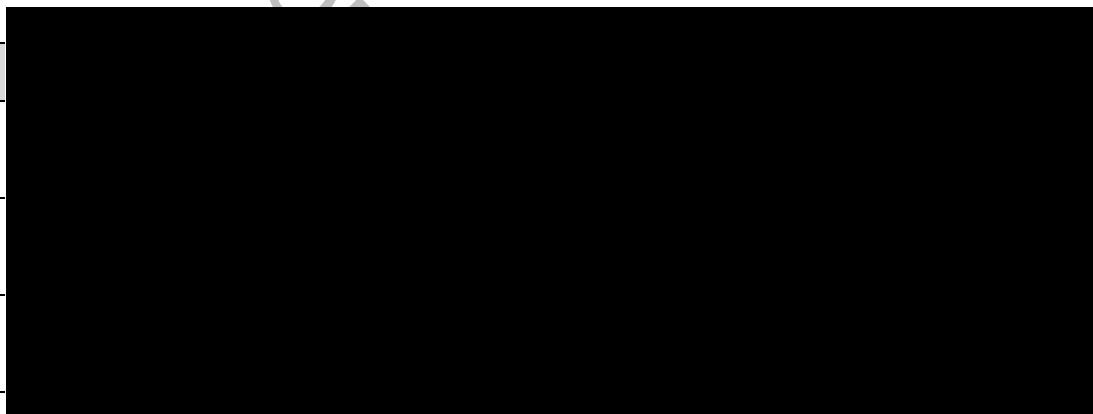
**Kier Highways Project No: 570129B****Client Reference No:*****M5 J31 Lighting*****Pre-Construction Information**

	Yes	No
Are Works to be carried out under the Commission / Contract Health and Safety Plan?		X
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, B or C
* If applicable GG104 will determine the Kier Highways minimum Scheme Principal Designer (Scheme PD) level. Refer to SHEMS-FOR-HIG-S-055 for GG104 type categorisation and minimum Scheme PD level. Type A projects the Design Team Lead, Type B projects the Senior Manager, Type C projects the Service Director.	

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



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

Site Specific Hazards Identified in Design		
<p><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></p> <p><b>Note – Consideration to be given to all ‘populations’ affected, Workers, Users, Other Parties.</b></p>		
Activity	Residual Hazard	Comments
All Activities	Working on or adjacent to the live carriageway	Traffic Management and buildability reviewed with Contractors during the design stage to ensure the scheme can be built safely. Traffic management designed by the CWF Contractor in accordance with Chapter 8. Works to be carried out under full slip closure.
All Activities	Public Risk	Contractor to erect warning and prohibition signs. Public access routes within the site limits shall be closed with signed diversion routes in place. Consider additional controls as pedestrian barrier and extra personnel. Unauthorised pedestrian use of motorway is prevalent at night at this location.
Workers	Lifting chambers manual handling	Hazard cannot be designed out. Contractor will be aware of the hazard and safe working method. Avoid where possible
All activities	Covid 19	Government guidelines on social / physical distancing to be incorporated into RAMS

**1 Project Description****Scope of Works**

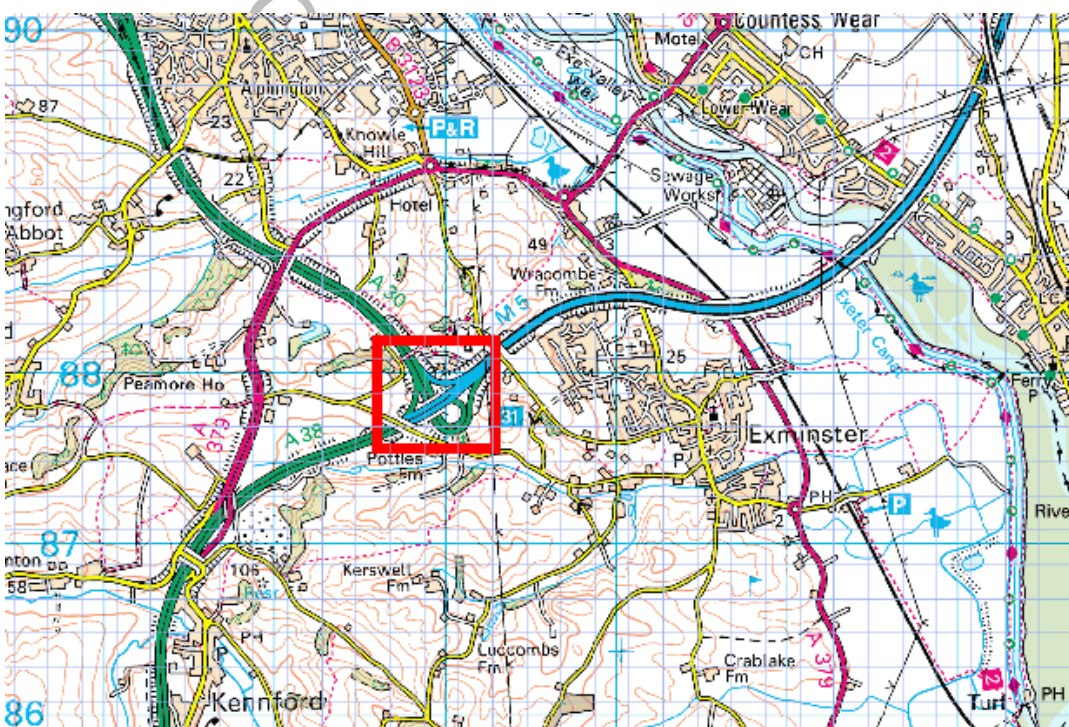
The proposed duct survey works are essential to develop a LED luminaire and column replacement schemes for M5 Junction 31.

The principle objective of this project is to undertake an electrical and communication duct survey across the area shown on drawing(s):

HE570129B-KIER-VGN-M5\_J31\_ML\_Z-DE-EO-0100\_11.

The principle objective of this project is to undertake 150mm Diameter cores, trial pits and DCP testing within carriageway and verge as shown on drawing(s):

HE570129B-KIER-VGN-M5\_J31\_ML\_Z-DE-EO-0100\_13.

**Location**

See Location Plan listed in current Document Issue Sheet or Appendix A.

Site Address M5 J31 Pearce's Hill Interchange

**Site Photographs**

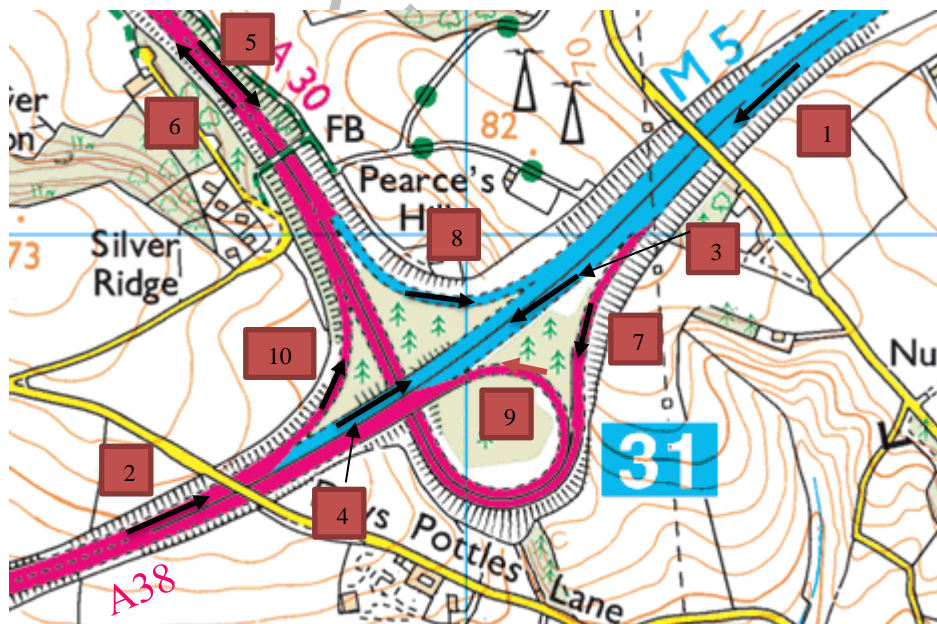
<b>MP</b> <b>A38 – M5</b>	From	112.0 - 270.0	To	261.1	<b>OSGR</b> <b>A38 – M5</b>	From	292621, 87632	To	293448, 88247
<b>A30 – M5</b>		195.4		196.0	<b>A30 – M5</b>		292648, 88244		293058, 87625

**Traffic Management**

Traffic Management will be junction and lane closure (TBC by HE)

Motorway slip road is National Speed Limit (70mph)

1. M5 to A38 Southbound Main Carriageway before junction traffic flow - 43,880
2. A38 to M5 Northbound Main Carriageway before junction - 40,653
3. M5 to A38 Southbound Main Carriageway between junction - 26,436
4. A38 to M5 Northbound Main Carriageway between junctions traffic flow - 27,569
5. A30 Eastbound traffic flow - 23,818
6. A30 Westbound traffic flow - 20,435
7. M5 to A30 Southbound Slip traffic flow - 17,497
8. A30 to M5 Northbound Slip traffic flow - 18,748
9. A30 to A38 Southbound Slip traffic flow - 7,785
10. A38 to A30 Westbound Slip traffic flow - 5270



Anticipated Working Hours, subject to Traffic Counts

Night works are anticipated (TBC by HE)

**Mobilisation Period**

TBC

**Anticipated start date**

TBC

**Anticipated end date**

TBC



3. Scheme Specific Requirements			
	Yes	No	Comments
Does an H&S file exist?		X	N/A
Site Welfare	X		Principal contractor to provide
Security / Segregation		X	
Are there any other projects taking place in the vicinity?		X	None advised by client
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	X		
Overhead Cables	X		Overhead cables indicated on drawings. Safe working heights to be obtained in accordance with GS6.
Structures	X		There are overhead structures See Appendix F.
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 remain serviceable throughout the works duration for emergency services at all times. Nearest A&E hospital Barrack Road, Exeter, Devon, EX2 5DW
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. 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		See Appendix 1/7 of CWF Specification.



3. Scheme Specific Requirements			
	Yes	No	Comments
Are temporary works required?		X	Unlikely to be applicable due to the nature of the works.
Are there any vibration restrictions?		X	Unlikely to be applicable due to the nature of the works.
Are there any poor or hazardous ground conditions		X	Unlikely to be applicable due to the nature of the works.
Are there any unstable structures?		X	Unlikely to be applicable due to the nature of the works.
Are there any areas classed (existing or designed) classed as confined spaces?		X	Unlikely to be applicable due to the nature of the works.
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	

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## 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. Consider existing paint coatings to bridge beams.*

### Tar based pavement/surfacing

*Scope of work are unlikely to encounter tar.*

**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.*



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]		X		Above carriageway
66kV	X			
33kV		X		Adjacent to works area
11kV		X		Adjacent to works area
230/400Volts			X	Within works area, unaffected by works
<b>Water (Foul and Potable)</b>				
Public Foul			X	Within works area, unaffected by works
Pressurised Foul	X			
Public Combined Gravity	X			
Pressurised Combined	X			
Culverted Watercourse	X			
Water Main			X	Within works area, unaffected by works
Aqueduct	X			
<b>Communications</b>				
Communications	X			
<b>British Telecom</b>				
British Telecom		X	X	Within works area, unaffected by works
<b>National Grid</b>				
National Grid				
<b>Transco</b>				
LP Mains			X	Within works area, unaffected by works
MP Mains			X	Within works area, unaffected by works
IP Mains	X			
LHP Mains			X	Within works area, unaffected by works
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	Within works area, unaffected by works
<b>Street Lighting</b>				
Street lighting			X	Existing cables for lighting in situ. Cables run between Feeder Pillar and columns.
<b>Highway Drainage</b>				
Highway Drainage			X	Within works area, unaffected by works
<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.

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## Appendix A - Location Plans

Locations shown on drawing(s):

HE570129B-KIER-HLG-M5\_J31\_ML\_Z-DE-EO-0100\_01.

## Appendix B - Construction Drawings

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

Reference	Rev	Title

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

See Document Issue Sheet for list of existing records and as-built drawings, alternately list below.

Reference	Rev	Title	Company

## Appendix D - Statutory Undertaker Drawings

See Document Issue Sheet for list of statutory undertaker drawings, alternately list below.

Title	Company
HE570129B-KIER-HLG-M5_J31_ML_Z-DE-EO-0100_02	Western Power Distribution
	Wessex Water
	BT
	City Fibre

## Appendix E – Overhead cables

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

Overheads cables are identified and clearly marked on the contract drawings.

**Appendix F - List of Structures**

Structure	Type	Location Ref	Str key
Matford Lane	Overbridge	M5/261.2	1939
Pearces Hill	Under / Over bridge	M5/261.8	1941
Pottles Lane	Overbridge	A38/112.6	6304

**Appendix G - Asbestos Action Plans**

Refer to SWDSC Asbestos Control Checklists for:  
AAP M5 J27 to J31 SB & N