

Kier Highways Project No: 1050443
Client Reference No: 570122
(M4 J22-21 Incl J22 Eb Entry Slip EB & WB MP 195.6 - 190.4 RS)
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
<small>* 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.</small>	

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

	Date
Prepared by: Designer	02/12/2019
Reviewed by; Design Team Lead	02/12/2019
Accepted by: Scheme PD	03/12/2019

'Reviewed by' & 'Accepted by' (Name of the Scheme PD)



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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> <p>Note – Consideration to be given to all ‘populations’ affected, Workers, Users, Other Parties.</p>		
Activity	Residual Hazard	Comments
	None	After careful consideration, there are no significant or unusual hazards that are not obvious to a competent contractor.

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1 Project Description

Scope of Works

The site is located on the M4 between junction 22 and junction 21 and is subject to deteriorated road conditions. Coring is to take place at the stated locations shown in the excel spreadsheets 'Defect & Treatment plan' and 'Core Schedule' – Cores required to determine the pavement condition. See Scheme Drawings listed in current Document Issue Sheet or Appendix A.

Location



Site Address	HAPMS Sections - 0100M4/319, 0100M4/341, 0100M4/361, 0100M4/383, 0100M4/391, 0100M4/392, 0100M4/384, 0100M4/362, 0100M4/342, 0100M4/320, 0100M4/388, 0100M4/386
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Site Photographs

N/A

MP	From	MP 195.6	To	MP 190.4
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Traffic Management

It is expected that traffic management for the M4 westbound and eastbound coring works will consist of night time lane closures.

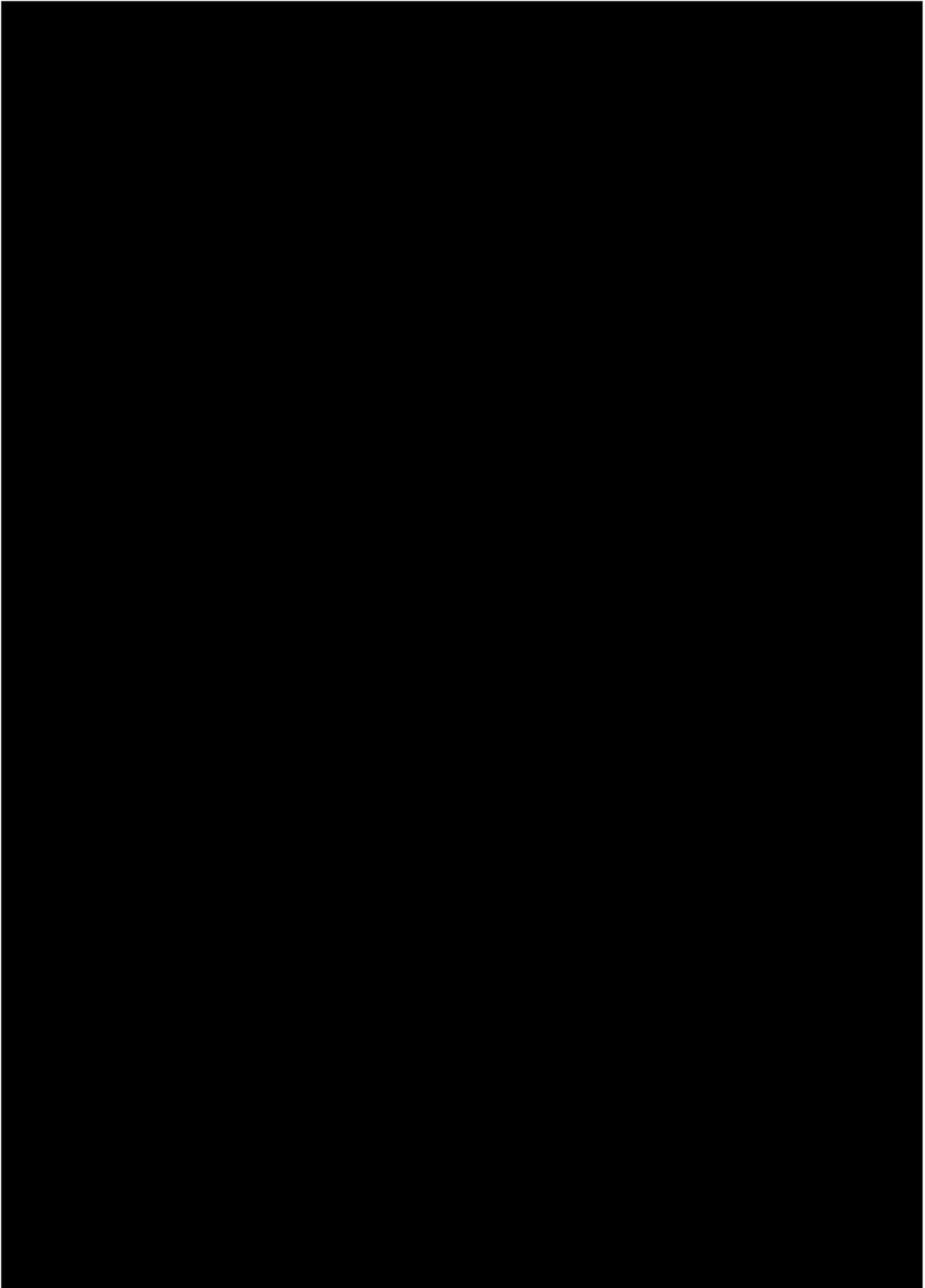
Anticipated Working Hours, subject to Traffic Counts	TBC
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Mobilisation Period	TBC	Anticipated Start Date	TBC	Anticipated End Date	TBC
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3. Scheme Specific Requirements			
	Yes	No	Comments
A pre-start meeting will be mandatory			
Does an H&S file exist?		X	Pavement construction information is available in the project file together with visual condition surveys.
Site Welfare	X		Requirements to be determined by Principal Contractor.
Security / Segregation	X		Existing highway boundary is adequate to protect the site.
Are there any other projects taking place in the vicinity?		X	<i>Principal contractor to check with HE for road space clashes</i>
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		There are overhead cables and structures located within the site extents. See below for detail
Overhead Cables	X		Have overhead cables been identified on site? YES – See appendix E.
Structures	X		Are there any overhead structures? YES – Not a site-specific hazard as it is not unusual and should be obvious to the contractor. 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 always remain serviceable throughout the works duration for emergency services. Nearest A&E hospital is located: Southmead Hospital Westbury-on-trym Bristol Avon BS10 5NB Tel: 0117 9505050

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	N/A
Are temporary works required?		X	N/A
Are there any vibration restrictions?		X	N/A
Are there any poor or hazardous ground conditions		X	N/A
Are there any unstable structures?		X	N/A
Are there any areas classed (existing or designed) classed as confined spaces?		X	N/A
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	

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

Coring will determine whether tar-based pavement/surfacing is present or not.

Leptospirosis/Weil's disease / Psittacosis

Contact with highway drainage during coring 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.

PRELIMINARY INFORMATION ONLY



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4. Existing Services		Refer to STATS plans listed in Appendix		
Statutory Undertaker	Not Present	Over head	Under ground	Comments
Electricity				
400/132kV [pylons]		X		Western Power Distribution
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	Virgin Media Instalcom
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				
			X	Network Rail
		X		Electricity

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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See Section 1 for Location Plan

Appendix B - Construction Drawings

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

Reference	Rev	Title
1. 187 M4 J22-21 EB MP 195.6 - 190.4	1	M4 Defect & Treatment Plan
2. 187 M4 J22-21 WB MP 195.6 - 190.4	1	M4 Defect & Treatment Plan
187 M4 J22-21 EB & WB MP 195.6 - 190.4	1	M4 Defect & Treatment Plan

Appendix C – Existing Records and As-Built Drawings

Reference	Rev	Title	Company
-	-	-	-

Appendix D - Statutory Undertaker Drawings

Reference	Rev	Title	Company
Index_M4_1 0		C2 STATS Service Locations Index	KIER PROVE IT
TOPO1250_ M4_10_3419		C2 STATS Service Location	KIER PROVE IT
TOPO1250_ M4_10_5310		C2 STATS Service Location	KIER PROVE IT
TOPO1250_ M4_10_5311		C2 STATS Service Location	KIER PROVE IT
TOPO1250_ M4_10_5312		C2 STATS Service Location	KIER PROVE IT
Index_M4_1 1		C2 STATS Service Locations Index	KIER PROVE IT
TOPO1250_ M4_11_3421		C2 STATS Service Location	KIER PROVE IT
TOPO1250_ M4_11_3422		C2 STATS Service Location	KIER PROVE IT
TOPO1250_ M4_11_3423		C2 STATS Service Location	KIER PROVE IT
TOPO1250_ M4_11_3424		C2 STATS Service Location	KIER PROVE IT



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Reference	Rev	Title	Company
Index_M4_1 2		C2 STATS Service Locations Index	KIER PROVE IT
TOPO1250_ M4_12_3425		C2 STATS Service Location	KIER PROVE IT
TOPO1250_ M4_12_3426		C2 STATS Service Location	KIER PROVE IT
TOPO1250_ M4_12_3427		C2 STATS Service Location	KIER PROVE IT
TOPO1250_ M4_12_3428		C2 STATS Service Location	KIER PROVE IT
Index_M4_1 3		C2 STATS Service Locations Index	KIER PROVE IT
TOPO1250_ M4_13_3429		C2 STATS Service Location	KIER PROVE IT
TOPO1250_ M4_13_3430		C2 STATS Service Location	KIER PROVE IT
TOPO1250_ M4_13_3431		C2 STATS Service Location	KIER PROVE IT
TOPO1250_ M4_13_3432		C2 STATS Service Location	KIER PROVE IT
Index_M4_1 4		C2 STATS Service Locations Index	KIER PROVE IT
TOPO1250_ M4_14_3433		C2 STATS Service Location	KIER PROVE IT
TOPO1250_ M4_14_3434		C2 STATS Service Location	KIER PROVE IT
TOPO1250_ M4_14_3435		C2 STATS Service Location	KIER PROVE IT
TOPO1250_ M4_14_3436		C2 STATS Service Location	KIER PROVE IT
Index_M4_1 5		C2 STATS Service Locations Index	KIER PROVE IT
TOPO1250_ M4_15_3437		C2 STATS Service Location	KIER PROVE IT
TOPO1250_ M4_15_3438		C2 STATS Service Location	KIER PROVE IT
TOPO1250_ M4_15_3439		C2 STATS Service Location	KIER PROVE IT

Appendix E – Overhead cables

Electricity: National Grid 132-400kV Pylon – OSGR: 356876 (X) 186190 (Y)

Electricity: National Grid 400kV Pylon – OSGR: 358654 (X) 186526 (Y)

Appendix F - List of Structures

Structure	Type	Location Ref	Str key	OSGR
Highway Underbridge	Bridge and Large Culvert		26623	X: 354044 Y: 185837
Highway Underbridge	Bridge and Large Culvert		13594	X: 354429 Y: 185837
Highway Overbridge	Bridge and Large Culvert		13592	X:355043 Y:185795
Highway Overbridge	Bridge and Large Culvert		13589	X: 355601 Y: 185786
Highway Overbridge	Bridge and Large Culvert		20351	X: 355963 Y: 185814
Bridleway Overbridge	Bridge and Large Culvert		13587	X: 356415 Y: 185954
Highway Overbridge	Bridge and Large Culvert		13572	X: 357860 Y: 186484
Highway Overbridge	Bridge and Large Culvert		13558	X: 359148 Y: 186407
Culvert	Small Span Structure		34461	X: 355618 Y: 185751

Appendix G - Asbestos Action Plans

AAP exists and mentions that there are presumed ACM's within the electrical cabinets, however the works are contained within the pavement where no ACM's have been identified.

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.