

Kier Highways Project No: 1050443
Client Reference No: HE570122
(M4 J19-18 EB MP 181.1 - 177.8 RS)
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
* 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.

	Name	Signed	Date
Prepared by: Designer			19/12/19
Reviewed by; Design Team Lead			19/12/19
Accepted by: Scheme PD			02/01/2020



Authorised By: [REDACTED]	Page 1 of 14	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		



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
None	None	After careful consideration, there are no significant or unusual hazards that are not obvious to a competent contractor.

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Authorised By: [REDACTED]	Page 2 of 14	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					
Scope of Works					
<p>The site is located on the M4 Junction 19 – Junction 18. The road is subject to minor fretting, patch, rutting, potholes, plug joints, construction joints and open joints. Longitudinal and transverse cracks have also been identified. Coring is to be taken at the stated locations as shown in the Excel spreadsheets 'Defect & Treatment Plan' and 'Core Schedule' – Cores required to determine the pavement conditions.</p> <p>See Scheme Drawings listed in Appendix B – Construction Drawings.</p>					
Location					
Site Address		HAPMS Sections – 0100M4/58, 0100M4/55 & 0100M4/45			
Site Photographs					
N/A					
OSGR, MP or		From	MP 181/1	To	177/8
Str Key / Name		Str Key	Structure Name		
Traffic Management					
It is expected that traffic management for the M4 Eastbound Coring works will consist of night-time lane closures.					
Anticipated Working Hours, subject to Traffic Counts				TBC	
Mobilisation Period					
TBC	Anticipated Start Date	TBC	Anticipated End Date	TBC	



Authorised By: [REDACTED]	Page 3 of 14	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		



2 Scheme Management and Contact Details		
Client – Highways England, Local Authority		
Highways England, Scorrier Depot, Radnor Rd, Redruth, TR16 5EH	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]
[REDACTED]		
[REDACTED] [REDACTED] [REDACTED] [REDACTED]	[REDACTED]	[REDACTED]
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[REDACTED]	[REDACTED]	[REDACTED]

PRE-CONSTRUCTION INFORMATION ONLY



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Authorised By: [REDACTED]	Page 5 of 14	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		



3. Scheme Specific Requirements			
	Yes	No	Comments
A pre-start meeting will be mandatory			
Does an H&S file exist?		X	<i>Pavement construction information is available in the project file together with Visual Condition Surveys (VCS).</i>
Site Welfare	X		<i>Requirements to be determined by Principal Contractor.</i>
Security / Segregation	X		<i>Existing highway boundary and temporary traffic management including pedestrian diversions is adequate to protect the site. Any excavations, open chambers and the like to be protected particularly if left unattended.</i>
Are there any other projects taking place in the vicinity?		X	<i>Principal Contractor to check with Highways England (HE) for road space clashes.</i>
Are there any restrictions on vehicle movements?	X		<i>All site vehicles (incl. delivery vehicles) must abide by the Traffic Management (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 complicity 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		<i>There are Overhead Cables and Structures located within the site extents. See below for further details.</i>
Overhead Cables	X		<i>Have overhead cables been identified on site? YES</i> <i>Overhead cables have been identified within the scheme extents see Appendix E for list of overhead cables.</i>
Structures	X		<i>Are there any overhead structures? YES</i> <i>If YES complete Overhead Cable Form and attach in Appendix F.</i>
Will fire precautions be required?	X		<i>Suitable fire precautions shall be in place and in accordance with the Contractors hot works permit.</i>

3. Scheme Specific Requirements			
	Yes	No	Comments
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. One lane will remain serviceable throughout the works duration for emergency services at all times. Nearest A&E hospital: Southmead Hospital, Southmead Road, Westbury-on-Trym, Bristol, Avon, BS10 5NB Tel: 0117 9505050</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. 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	<i>N/A</i>
Are temporary works required?		X	<i>N/A</i>
Are there any vibration restrictions?		X	<i>N/A</i>
Are there any poor or hazardous ground conditions?		X	<i>N/A</i>
Are there any unstable structures?		X	<i>N/A</i>
Are there any areas classed (existing or designed) classed as confined spaces?		X	<i>N/A</i>
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	<i>N/A</i>

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

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



Authorised By: [REDACTED]	Page 8 of 14	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 C
Statutory Undertaker	Not Present	Over head	Under ground	Comments	
Electricity					
400/132kV [pylons]	X				
66kV	X				
33kV	X				
11kV		X	X	Western Power Distribution	
240/415Volts	X				
Low Voltage (LV)		X	X	Western Power Distribution	
Unknown (U)			X		
Service			X		
Water (Foul and Potable)					
Public Foul			X	Wessex Water	
Pressurised Foul					
Public Combined Gravity					
Pressurised Combined					
Culverted Watercourse					
Water Main			X	Bristol Water	
Aqueduct					
Sewer			X	Wessex Water	
Communications					
Communications			X	Cityfibre, Colt, Virgin Media (Unknown), Vodafone, SSE & Zayo Group UK Ltd	
British Telecom					
British Telecom		X	X		
National Grid					
National Grid	X				
Transco					
LP Mains			X		
MP Mains			X	Wales & West Utilities Limited – Wales and South West England.	
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	Highways England	
Street Lighting					
Street lighting	X				
Highway Drainage					
Pipework			X		
Culvert			X		
Other					

5. Health and Safety file requirements
N/A

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Authorised By: [REDACTED]	Page 10 of 14	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		



N/A

Appendix B - Construction Drawings

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

Reference	Rev	Title
181 M4 J19-18 EB MP 181.1 - 177.8 RS	1	M4 Defect & Treatment Plan

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.

Reference	Rev	Title	Company
Index_M4-013	1	C2 STATS Service Locations Index	KIER PROVE IT
TOPO1250_M4-013-05234	1	C2 STATS Service Locations	KIER PROVE IT
TOPO1250_M4-013-05236	1	C2 STATS Service Locations	KIER PROVE IT
TOPO1250_M4-013-05239	1	C2 STATS Service Locations	KIER PROVE IT
TOPO1250_M4-013-05241	1	C2 STATS Service Locations	KIER PROVE IT



Authorised By: [REDACTED]	Page 11 of 14	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		



Reference	Rev	Title	Company
TOPO1250_ M4-013- 05244	1	C2 STATS Service Locations	KIER PROVE IT
TOPO1250_ M4-013- 05247	1	C2 STATS Service Locations	KIER PROVE IT
TOPO1250_ M4-013- 05249	1	C2 STATS Service Locations	KIER PROVE IT
TOPO1250_ M4-013- 05250	1	C2 STATS Service Locations	KIER PROVE IT
TOPO1250_ M4-013- 05251	1	C2 STATS Service Locations	KIER PROVE IT
TOPO1250_ M4-013- 05252	1	C2 STATS Service Locations	KIER PROVE IT
TOPO1250_ M4-013- 05254	1	C2 STATS Service Locations	KIER PROVE IT
TOPO1250_ M4-013- 05256	1	C2 STATS Service Locations	KIER PROVE IT
TOPO1250_ M4-013- 08576	1	C2 STATS Service Locations	KIER PROVE IT
Index_M4- 015	1	C2 STATS Service Locations Index	KIER PROVE IT
TOPO1250_ M4-015- 05253	1	C2 STATS Service Locations	KIER PROVE IT
TOPO1250_ M4-015- 05255	1	C2 STATS Service Locations	KIER PROVE IT
TOPO1250_ M4-015- 05257	1	C2 STATS Service Locations	KIER PROVE IT
TOPO1250_ M4-015- 05258	1	C2 STATS Service Locations	KIER PROVE IT
TOPO1250_ M4-015- 05259	1	C2 STATS Service Locations	KIER PROVE IT
TOPO1250_ M4-015- 05260	1	C2 STATS Service Locations	KIER PROVE IT

Reference	Rev	Title	Company
TOPO1250_ M4-015- 05261	1	C2 STATS Service Locations	KIER PROVE IT
TOPO1250_ M4-015- 05262	1	C2 STATS Service Locations	KIER PROVE IT
TOPO1250_ M4-015- 05263	1	C2 STATS Service Locations	KIER PROVE IT
TOPO1250_ M4-015- 05264	1	C2 STATS Service Locations	KIER PROVE IT
TOPO1250_ M4-015- 05266	1	C2 STATS Service Locations	KIER PROVE IT
TOPO1250_ M4-015- 05268	1	C2 STATS Service Locations	KIER PROVE IT

Appendix E – Overhead cables

Overhead Cables can be found within the works area at the following location. Appendix B can also be referred to determine the location of the overhead cables. Contractor to determine height of cables prior to commencement of works.

MP	Overhead Cable Type
181/1 – 180/9	11kV OG, LV OG, BT OG
180/1 – 180	11kV OG, LV OG

Appendix F - List of Structures

Structure	Type	Location Ref	Str key	OSGR
Hambrook Viaduct East Bound (Highway Underbridge)	Bridge & Large Culvert	M4, Winterbourne, Moored, South Gloucestershire, South West England, England, BS16 1SA, United Kingdom	15439	X: 364526 Y: 178820
Hambrook Viaduct West Bound (Highway Underbridge)	Bridge & Large Culvert	M4, Winterbourne, Moored, South Gloucestershire, South West England, England, BS16 1SA, United Kingdom	1165	X: 364510 Y: 178802
Bromley Heath Underbridge (Highway Underbridge)	Bridge & Large Culvert	M4, Winterbourne, Moored, South Gloucestershire, South West England, England, BS16 6JU, United Kingdom	1164	X: 364646 Y: 178724
Church Lane Culvert B (Not a Bridge)	Small Span Structure	M4, Winterbourne, Moored, South Gloucestershire, South West England, England, BS16 7FQ, United Kingdom	16036	X: 364904 Y: 178598

Structure	Type	Location Ref	Str key	OSGR
Church Lane Culvert A (Not a Bridge)	Small Span Structure	M4, Winterbourne, Moorend, South Gloucestershire, South West England, England, BS16 7FQ, United Kingdom	13906	X: 365339 Y: 178555
Church Lane (Highway Overbridge)	Bridge & Large Culvert	M4, Winterbourne, Moorend, South Gloucestershire, South West England, England, BS16 7FQ, United Kingdom	1163	X: 365557 Y: 178587
Wick Wick (Highway Overbridge)	Bridge & Large Culvert	A432, Winterbourne, Bury Hill, South Gloucestershire, South West England, England, BS36 1DP, United Kingdom	1162	X: 366081 Y: 178712
Wick Wick Culvert (Large Culvert)	Bridge & Large Culvert	M4, Winterbourne, Moorend, South Gloucestershire, South West England, England, BS16 7FQ, United Kingdom	12775	X: 366357 Y: 178735
Folly Lane Overbridge (Highway Overbridge)	Bridge & Large Culvert	Westerleigh Road, Emersons Green, Coalpit Heath, South Gloucestershire, South West England, England, BS36, United Kingdom	1161	X: 367259 Y: 178507
Folly Lane Culvert (Not a Bridge)	Small Span Structure	M4, Winterbourne, Moorend, South Gloucestershire, South West England, England, BS16 7FQ, United Kingdom	12767	X: 367337 Y: 178482

Appendix G - Asbestos Action Plans

According to 096 B M4 J18-19, there are presumed ACM's present within the electrical cabinets until safe access can be gained. 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.