

Kier Highways Project No: 1050443

Client Reference No: 570122

(M5 J22-21 Incl Exit Slip To Services NB MP177.9-175.4 RS)

Pre-Construction Information

| | Yes | No |
|---|-----|----|
| Is the Scheme notifiable under the CDM Regulations 2015? | | ✓ |
| 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.

| | | | |
|--|--|--|--|
| | | | |
| Prepared by Designer | | | |
| Reviewed by Design Team Lead | | | |
| Accepted by Scheme Principal Designer | | | |

'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 | | |
|---|--|---|
| <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> | | |
| Activity | Residual Hazard | Comments |
| Coring/ general site works | Limited access of emergency vehicles (within the extents of the closed sections) | Traffic management plan will need to ensure access or suitable alternative routes for emergency services. |



| | | |
|---|--------------------|-------------------|
| Authorised By: [Redacted] | Page 1 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 2021 | | |



| | | | | | |
|--|--|--|----------------|---------------------------|----------------|
| 1 Project Description | | | | | |
| Scope of Works | | | | | |
| The works comprise of pavement core extraction and DCP along the M5 Northbound mainline carriageway and exit slip road into Sedgemoor Services between Junctions 22 and 21, MP 177.9-175.4. | | | | | |
| See Scheme Drawings listed in Appendix B | | | | | |
| Location | | | | | |
| Scheme Location Plan, Core Location Plan are accompanying this form. | | | | | |
| Site Address | | Northbound M5 J22-21 Including Exit Slip To Services MP177.9-175.4 | | | |
| Site Photographs | | | | | |
| Site photographs included in submission folder. Core Location Plan clearly shows the specific defects/cracks where some of the cores are to be extracted. Also see Core Schedule in the accompanying file. | | | | | |
| OSGR, MP or | | From | 335441; 150481 | To | 335876; 152813 |
| Str Key / Name | | Str Key | N/A | | |
| Traffic Management | | | | | |
| Lane closures, subject to Risk Assessment by contractor. | | | | | |
| Anticipated Working Hours, subject to Traffic Counts | | | | Between 20:00 – 06:00 hrs | |
| Mobilisation Period | | | | | |
| TBA | | Anticipated Start Date | TBA | Anticipated End Date | TBA |

| 3. Scheme Specific Requirements | | | |
|---|-----|----|--|
| | Yes | No | Comments |
| A pre-start meeting will be mandatory | | | |
| Does an H&S file exist? | | ✓ | <i>Pavement construction information is available in the project file together with pavement condition surveys.</i> |
| Site Welfare | ✓ | | <i>Contractor will supply</i> |
| Security / Segregation | ✓ | | <i>Works are to be undertaken within Chapter 8 compliant traffic management. TM closures, no plant/equipment to be left on site overnight.</i> |
| Are there any other projects taking place in the vicinity? | ✓ | | <i>TBC in liaison with the Client.</i> |
| Are there any restrictions on vehicle movements? | ✓ | | <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? | ✓ | | <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? | ✓ | | <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 | ✓ | | <i>See Appendix E for details.</i> <i>The Principal Contractor shall measure and record the heights of any overhead power lines present before works commence. The Legal Minimum height of the overhead cable is 5.2m and 5.8m above roads in accordance with HSE Guidance Note GS6.</i> <i>The Principal Contractor shall develop appropriate method statements for undertaking works in the areas of any identified height restrictions.</i> |
| Overhead Cables | ✓ | | <i>See Appendix E for details.</i> <i>Please see note above. The contractor will need to obtain GS6 certificate clearance to work under/ within vicinity of overhead cables</i> |
| Structures | ✓ | | <i>See Appendix F for details.</i> <i>The Principal Contractor shall develop appropriate method statements for undertaking works in the areas of any identified height restrictions.</i> |
| Will fire precautions be required? | | ✓ | <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? | ✓ | | <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 is Weston General Hospital, Grange Road, Uphill, Weston-Super-Mare, Avon, BS23 4TQ, Tel 01934 636363</i> |
| Are there any areas in or around the site classified as no-go areas? | ✓ | | <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? | | ✓ | |
| Are temporary works required? | | ✓ | |
| Are there any vibration restrictions? | | ✓ | |
| Are there any poor or hazardous ground conditions | | ✓ | |
| Are there any unstable structures? | | ✓ | |
| Are there any areas classed (existing or designed) classed as confined spaces? | | ✓ | |
| Are there any smoking restrictions? | ✓ | | <i>No smoking is allowed on site. Designated smoking areas to be confirmed during site inductions.</i> |
| Any environmental constraints identified? | | ✓ | |

Materials and Substances with Health and/or Safety Hazards

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.

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

Presence of tar is unknown in this location due to the lack of past cores data.

Leptospirosis/Weil's disease / Psittacosis

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.

| 4. Existing Services Refer to STATS plans listed in Appendix D | | | | |
|--|-------------|-----------|--------------|-----------------------------|
| Statutory Undertaker | Not Present | Over head | Under ground | Comments |
| Electricity | | | | |
| 400/132kV [pylons] | ✓ | | | |
| 66kV | ✓ | | | |
| 33kV | | ✓ | | Western Power Distribution |
| 11kV | | | ✓ | Western Power Distribution |
| 240/415Volts | | | ✓ | Western Power Distribution |
| Water (Foul and Potable) | | | | |
| Public Foul | ✓ | | | |
| Pressurised Foul | ✓ | | | |
| Public Combined Gravity | ✓ | | | |
| Pressurised Combined | ✓ | | | |
| Culverted Watercourse | | | ✓ | |
| Water Main | | | ✓ | Wessex Water, Bristol Water |
| Aqueduct | ✓ | | | |
| Communications | | | | |
| Communications | ✓ | | | |
| British Telecom | | | | |
| British Telecom | | | ✓ | |
| National Grid | | | | |
| National Grid | ✓ | | | |
| Transco | | | | |
| LP Mains | ✓ | | | |
| MP Mains | ✓ | | | |
| IP Mains | ✓ | | | |
| LHP Mains | ✓ | | | |
| NHP Mains | ✓ | | | |
| Government Pipelines | | | | |
| Government Pipelines | ✓ | | | |
| Fisher German Pipelines | | | | |
| Fisher German Pipelines | ✓ | | | |
| Energis | | | | |
| Energis | ✓ | | | |
| Motorway Communication | | | | |
| Motorway Comms | | | ✓ | |
| Street Lighting | | | | |
| Street lighting | | | ✓ | On exit slip road |
| Highway Drainage | | | | |
| | | | ✓ | |
| Other | | | | |
| | ✓ | | | |

5. Health and Safety file requirements

n/a

See 277 Core, Location Plan and Photos.pdf

Appendix B - Construction Drawings

| Reference | Rev | Title |
|---|-----|--------------------------------|
| HE570122 - KIER - VPS - M5_ML_B - SK - CH - 0100_01 | P1 | CORE LOCATION PLANSHEET 1 OF 3 |
| HE570122 - KIER - VPS - M5_ML_B - SK - CH - 0100_02 | P1 | CORE LOCATION PLANSHEET 2 OF 3 |
| HE570122 - KIER - VPS - M5_SR_B - SK - CH - 0100_03 | P1 | CORE LOCATION PLANSHEET 3 OF 3 |

Appendix C – Existing Records and As-Built Drawings

N/A

Appendix D - Statutory Undertaker Drawings

| Reference | Rev | Title | Company |
|--------------|-----|-----------------------|---------|
| M5-050-15901 | | TOPO1250_M5-050-15901 | Various |
| M5-050-15902 | | TOPO1250_M5-050-15902 | Various |
| M5-050-15903 | | TOPO1250_M5-050-15903 | Various |
| M5-050-15904 | | TOPO1250_M5-050-15904 | Various |
| M5-050-15905 | | TOPO1250_M5-050-15905 | Various |
| M5-050-15906 | | TOPO1250_M5-050-15906 | Various |
| M5-050-15907 | | TOPO1250_M5-050-15907 | Various |
| M5-050-15909 | | TOPO1250_M5-050-15909 | Various |
| M5-050-15910 | | TOPO1250_M5-050-15910 | Various |
| M5-050-15911 | | TOPO1250_M5-050-15911 | Various |

Appendix E – Overhead cables

- Overhead cables have been identified in the following locations (only those crossing the carriageway):

MP 176.6+50

Appendix F - List of Structures

| Structure | Type | Location Ref | Str key | OSGR |
|----------------------------|----------------------|--------------|---------|------|
| Blind Pill Rhyne Culvert 1 | Small Span Structure | 177/0 | 21991 | |
| A38 East Brent | Bridge/Large Culvert | 176/3 | 1806 | |
| Brocks Pill Rhyne Culvert | Small Span Structure | 176/1 | 21990 | |

109 B M5 19-24 – “277 AAP.pdf”



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