

**Kier Highways Project No: 570112**

**Client Reference No: 570112**

***A36 Castle Roundabout NB & SB MP 63.7-63.8 RS –  
Survey Works Only***

**Pre-Construction Information**

	Yes	No
Are Works to be carried out under the Commission / Contract Health and Safety Plan?		
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 if not required)**

**A**

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			

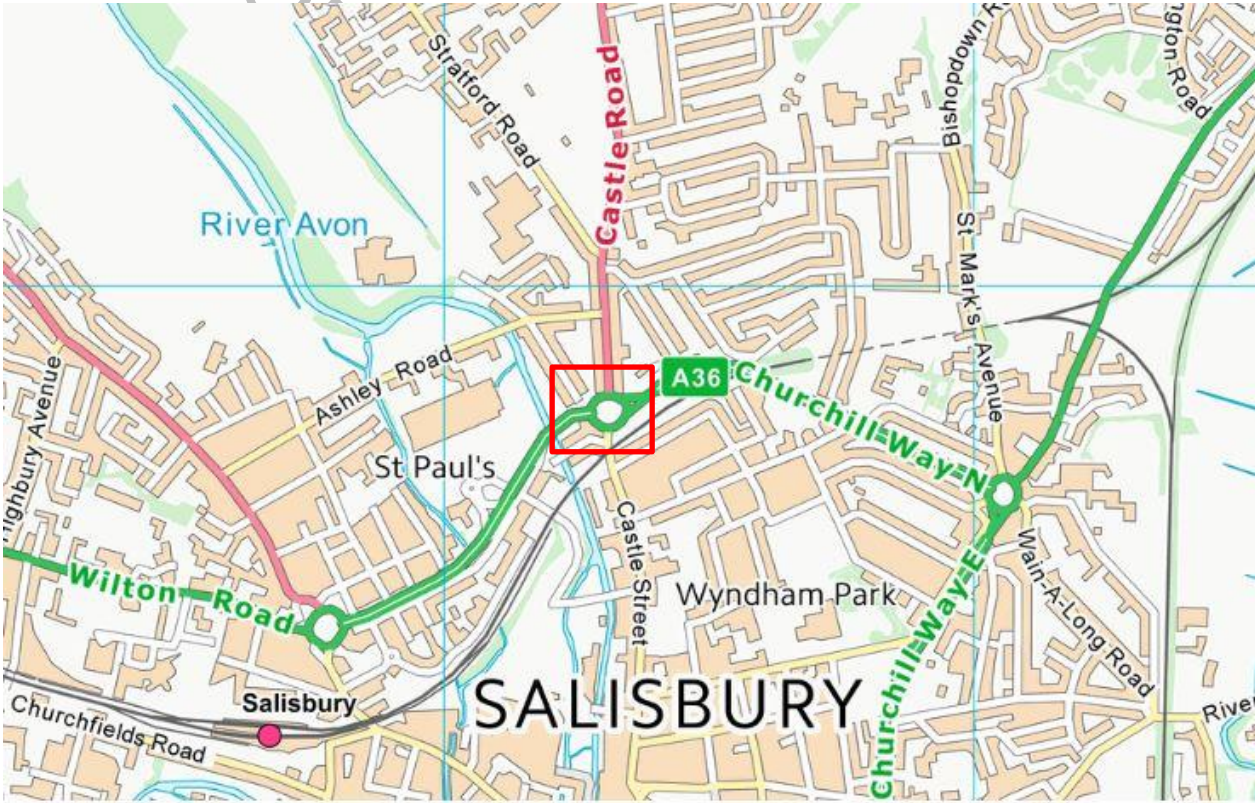
'Reviewed by' & 'Accepted by' can be the same person for GG104 type A projects (where the Design Team Lead is the Scheme PD)



Authorised By: [REDACTED]	Page 1 of 12	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 2021		



Site Specific Hazards Identified in Design		
<p><b><u>ONLY</u> 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.</b></p> <p><b>Note – Consideration to be given to all 'populations' affected, Workers, Users, Other Parties.</b></p>		
Activity	Residual Hazard	Comments
Pavement Coring	Presence of Coal Tar.	Contractor to ensure that all workers wear appropriate PPE at all times during construction works and any tar arisings will be disposed of and taken to licensed tips in line with the Company policy and the requirements for materials containing tar.
Trial Holes	Damage to Waterproofing and Asbestos Containing Material	Competent and suitably trained contractor to carry out trial hole activities. Care must be taken to not cause damage to the waterproofing layer. Where damage occurs, an Asbestos Refurbishment Survey to be carried out to determine presence of ACMs.

1 Project Description			
Scope of Works			
<p>To undertake 27 No. Pavement cores, 5 No. DCP Tests and 14 No. Trial Holes to determine existing Construction Layers, including PAK marker testing to confirm the likelihood of the presence of Tar Bound Materials (TBM). Possible follow up with PAH lab testing if any PAK test identifies a positive indication of tar bound materials.</p> <p>The works may also include an asbestos refurbishment survey at instances where the existing waterproofing material is encountered in order to determine presence of Asbestos Containing Materials (ACM).</p> <p>For locations, please refer to the following:</p> <ul style="list-style-type: none"> <li>HE570122-KIER-VGN-A36_63.7_63.8_Z-DR-CH-0000_01 – A36 Castle Rbt Defect Plan</li> </ul>			
Location			
<p>This site is located within the A36 carriageway and roundabout northbound and southbound from MP 63.7 to 63.8.</p> 			
Site Address	<p>This site is located on the A36, Castle Roundabout, between MP 63.7 and 63.8</p> <p>Locality – Wiltshire County</p>		
OSGR, MP or	From	E 414258 N 130761	To E 414359 N 130780
Str Key / Name	Str Key	Structure Name	
	9533	Hulse Road Subway	
	9528	Castle Road Subway	

1 Project Description					
<b>Traffic Management</b>					
<p>Survey works anticipated to be carried out under convoy working and lane closures where possible, or full carriageway closure of Castle Roundabout with Local Authority diversion routes being utilised. Layout provided to be in accordance with TSM Chapter 8.</p> <p>Traffic flow figures:</p> <p><u>A36 Southbound</u>  AADT = 14,015 vehicles  HGV% = 5.0%  Source: WebTRIS Annual Report 2019</p> <p><u>A36 Northbound</u>  AADT = 13,566 vehicles  HGV% = 5.0%  Source: WebTRIS Annual Report 2019</p>					
Anticipated Working Hours, subject to Traffic Counts			Night time between 21:00 and 06:00		
<b>Mobilisation Period</b>	TBC	Anticipated Start Date	TBC	Anticipated End Date	TBC



3. Scheme Specific Requirements			
	Yes	No	Comments
A pre-start meeting will be mandatory			
Does an H&S file exist?		X	No existing H&S File has been made available by Highways England.
Site Welfare	X		Welfare van on site for duration of works.
Security / Segregation	X		Existing highway boundary is adequate to protect the site.
Are there any other projects taking place in the vicinity?		X	Unknown at this stage. HE PM to provide details.
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 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		For locations refer to VCS plans and C2 Returns. Heights to be determined on site by CWF Contractor
Structures	X		Refer to Appendix D for list of Structures likely to be affected by the works.
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: Salisbury District Hospital, Odstock Road, Salisbury, Wiltshire, SP2 8BJ Tel: 01722 336262

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		The Contractor shall comply with the requirements of BS 5228 Parts 1, 2 & 4 (Noise in Relation to Construction). The Contractor shall ensure that the best practicable means of minimising noise are employed throughout the proposed works ensuring the quietest methods of working are used.
Are temporary works required?		X	
Are there any vibration restrictions?	X		The Contractor shall ensure that the peak particle velocity and frequency generated from any operation during the associated works does not present risk of damage to any structure.
Are there any poor or hazardous ground conditions		X	Unknown at this stage, pavement cores to confirm.
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		No smoking is allowed on site. Designated smoking areas to be confirmed during site inductions.
Any environmental constraints identified?		X	Unknown at this stage, pavement cores to confirm.



## Materials and Substances with Health and/or Safety Hazards

### Asbestos – Highways

If waterproofing material encountered during Trial Hole works – an Asbestos Refurbishment Survey is to be carried out to determine presence of ACMs. Trial hole activities to be carried out by competent contractor.

There is an AAP in place covering this scheme, the original inspection was undertaken in June 2008 and the latest review was carried out in March 2014.

There is presumed ACM within the cement material on the verge between the A3094 junction and Church Lane Railway Bridge.

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

Potential hazardous materials from pavement coring operations.

If PAK testing of cores result in a positive test – core to be stored and taken to a lab for further PAH testing to aid with design and to determine the correct method of disposal.

If disposal of TBM required - reference should be made to the Environment Agency Regulatory Position Statement on 'The Use of Treated Asphalt Waste Containing Coal Tar in Construction Operations', Ref.: MWRP RPS 075 Version: 4, Issued September 2014.

### 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.



4. Existing Services					Refer to STATS plans listed in Document Issue Sheet
Statutory Undertaker	Not Present	Over head	Under ground	Comments	
<b>Electricity</b>					
400/132kV [pylons]	✓				
66kV	✓				
33kV			✓	Located within scheme extents – no coring activity to be carried out over known service locations.	
11kV			✓		
240/415Volts			✓		
<b>Water (Foul and Potable)</b>					
Public Foul			✓	Located within scheme extents – no coring activity to be carried out over known service locations.	
Pressurised Foul	✓				
Public Combined Gravity			✓	Located within scheme extents – no coring activity to be carried out over known service locations.	
Pressurised Combined	✓				
Culverted Watercourse	✓				
Water Main			✓	Located within scheme extents – no coring activity to be carried out over known service locations.	
Aqueduct	✓				
<b>Communications</b>					
Communications			✓	Located within scheme extents – no coring activity to be carried out over known service locations.	
<b>British Telecom</b>					
British Telecom			✓	Located within scheme extents – no coring activity to be carried out over known service locations.	
<b>National Grid</b>					
National Grid			✓	Located within scheme extents – no coring activity to be carried out over known service locations.	
<b>Transco</b>					
LP Mains			✓	Located within scheme extents – no coring activity to be carried out over known service locations.	
MP Mains			✓		
IP Mains	✓				
LHP Mains	✓				
NHP Mains	✓				
<b>Government Pipelines</b>					
Government Pipelines	✓				
<b>Fisher German Pipelines</b>					
Fisher German Pipelines	✓				
<b>Energis</b>					
Energis	✓				
<b>Motorway Communication</b>					
Motorway Comms	✓				
<b>Street Lighting</b>					
Street lighting			✓	Located within scheme extents – no coring activity to be carried out over known service locations.	
<b>Highway Drainage</b>					

4. Existing Services		Refer to STATS plans listed in Document Issue Sheet		
			✓	Care to be taken when carrying out cores / trial holes near gullies.
<b>Other</b>				
Traffic Loops			✓	Care to be taken so as not to damage traffic loops during coring activities.

FOR INFORMATION ONLY

**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

For locations please refer to the project description above and the following VCS Plans:  
HE570122-KIER-VGN-A36\_63.7\_63.8\_Z-DR-CH-0000\_01 – Castle Rbt Defect Plan

## Appendix B - Construction Drawings

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

Reference	Rev	Title
HE570122-KIER-VGN-A36_63.7_63.8_Z-DR-CH-0000_01	C1	Caste Roundabout Defect Plan

## Appendix C - Statutory Undertaker Drawings

See Document Transmittal note for list of statutory undertaker drawings (C2 Returns).

## Appendix D - List of Structures

Structure	Type	Str key
Hulse Road Subway	Subway	9533
Castle Road Subway	Subway	9528

## Appendix E – Overhead cables

Please refer to VCS plans and C2 Returns for locations.