

**Kier Highways Project No: 2210066****Client Reference No: HE607428****A1 NB & SB Newark to Carlton-on-Trent Pavement****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		✓

<b>Project type as categorised by GG104</b> (if applicable to contract / delete in not required)	<b>A</b>
* 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			12/03/21
Reviewed by; Design Team Lead			12/3/21
Accepted by: Team leader			12/3/21

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

**For High Risk Schemes this must be reviewed by Lead Principal Designer**



Authorised By: James Bird	Page 1 of 11	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		



Site Specific Hazards Identified in Design		
<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>		
Activity	Residual Hazard	Comments
Survey works near overhead lines and structures	Overhead line/structure strike.	GS6 to be undertaken by Kier if requested. All overheads to be highlighted on STATS drawings and any schedules/plans.  No cores to be carried out in vicinity of overheads.
Coring/DCP surveys	Risk of damage to underground services	Location of Cores/DCP to be checked against STATS drawings and service plans by the contractor to avoid clashes. Service locations should be identified prior to coring/DCP surveys.
Coring	Pavement may contain Tar	There are no pavement material records, but due to the age of the pavement, the lower surfacing layers may contain tar.
Carrying out Technical surveys (GPR) to A1 northbound footway (3000A1/180 Chainage 900m-1000m).	Pedestrian Interface with works	GPR to be carried out for approximately 100m to existing footway. Works to be marshalled during the GPR operations by the TM contractor to warn pedestrians and cyclists and operatives on site.
Carrying out Technical surveys (GPR) to A1 northbound footway which is adjacent to a layby	Operatives potentially being exposed to Hazardous waste	The contractor to carry out visual inspections and testing/removal if applicable prior to start of works.
Traffic Management Sharing for various work activities	Workers hit by plant/machinery	The Principal Contractor to identify all site activities within the TM sharing closure to ensure safe systems of working. Pre-start meeting to include all contractors and programme of works to review all site activities.
All works	Works in Flood Zone - Site may become flooded.	Principal Contractor must have sufficient plan to deal with any flooding on the site, considering risks to site & general public.

<b>1 Project Description</b>					
<b>Scope of Works</b>					
<p>The works consist of carrying out technical surveys as part of a pavement value management scheme to the A1 northbound and southbound between Newark and Carlton-on-Trent which will progress into major pavement remedial works. The surveys will include cores, dynamic cone penetrometer (DCP), Falling Weight Deflectometer (FWD), Ground Penetrating Radar (GPR), waterproofing pull off test and deflectograph surveys. The surveys will require temporary traffic management in the form of mainline carriageway lane closures and slip road closures.</p> <p>See Scheme Drawings listed in current Document Issue Sheet</p>					
<b>Location</b>					
<p>The scheme is located on the A1 northbound &amp; southbound between Newark-on-Trent (A1/A46) and Carlton-on-Trent (A1/B1164).</p> <p>See Location Plan listed in current Document Issue Sheet</p>					
Site Address		Various A1			
<b>Site Photographs</b>					
N/A					
<b>OSGR, MP or</b>		From	481438, 355774	To	479428, 364489
<b>Str Key / Name</b>		N/A			
<b>Traffic Management</b>					
<p>Traffic Management will be full carriageway closures on the A1 northbound and southbound mainline carriageway, with slip road closures. Closures are to be in place overnight only.</p>					
Anticipated Working Hours, subject to Traffic Counts				21:00 to 06:00hrs	
<b>Mobilisation Period</b>					
1 week		Anticipated Start Date	21/04/21	Anticipated End Date	01/05/21

2 Scheme Management and Contact Details		
<b>Client – Highways England</b>		
	██████	██████
	██████	██████████
	██	██████████
	██████	████████████████████
<b>Principal Designer – Highways England</b>		
	██████	██████████
	██████	██████████████████
	██	██████████
	██████	██████████████████
<b>Scheme Designer – Kier Highways</b>		
	██████	██████████
	██████	██████████
	██	██████████
	██████	██████████████
<b>Principal Contractor – Rootcroft</b>		
	██████	██████████
	██████	██████████
	██	██████████████████
	██████	██████████
<b>TM Designer &amp; Contractor – Chevron</b>		
	██████	██████████
	██████	██████████
	██	██████████
	██████	██████████████████
<b>Local Authority (Environmental Health) – Newark &amp; Sherwood District Council</b>		
	██████	█
	██████	██████████████████
	██	██████████
	██████	██████████████████
<b>Local Authority (Highways) – Nottinghamshire County Council</b>		
	██████	██████████
	██████	██████████
	██	██████████
	██████	██████████████

3. Scheme Specific Requirements			
	Yes	No	Comments
A pre-start meeting will be mandatory			
Does an H&S file exist?		✓	
Site Welfare	✓		Mobile welfare unit to be provided for the duration of the works
Security / Segregation	✓		There are a number of properties located within the work extents which will require access. Anyone wishing to gain access through the works must wait to be marshalled through.
Are there any other projects taking place in the vicinity?	✓		There will be various works taking place within the same traffic management closure. All site activities and locations to be reviewed by the principal contractor and coordinated to ensure safe working operations.
Are there any restrictions on vehicle movements?	✓		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?	✓		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?	✓		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	✓		See 'Site Specific Hazards'.
Overhead Cables	✓		Overhead cables are present within the works area , however survey activities are not being undertaken in their vicinity and they should not have an impact on the works Overhead lines to be highlighted on drawings/plans. GS6 to be undertaken by Kier if requested.
Structures	✓		There are overhead structures within the site extents however survey activities are not being undertaken in their vicinity and they should not have an impact on the works. Waterproofing Pull-Off testing on River Fleet bridge RC deck slab.
Will fire precautions be required?	✓		Suitable fire precautions shall be in place and in accordance with the Contractors hot works permit.

3. Scheme Specific Requirements			
	Yes	No	Comments
Are emergency procedures and means of escape required?	✓		<p>The Contractor shall ensure that emergency procedure plans are in place and all staff have been inducted.</p> <p>One lane will remain serviceable throughout the works duration for emergency services at all times.</p> <p>Nearest A&amp;E hospital:  <b>Lincoln County Hospital</b>            Greetwell Road, Lincoln, LN2 5QY            01522 512512</p> <p><b>Bassetlaw Hospital</b>            Kilton Hill, Blyth Road, Worksop, S81 0BD            01909 500990</p> <p><b>In an emergency call 999.</b></p>
Are there any areas in or around the site classified as no-go areas?	✓		<p>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.</p> <p>Provision of minimum 20m Pedestrian worker Exclusion zone, behind and in front of Operating Road Sweeper to be in place.</p> <p>Sub-Contractor's Method Statements and Risk Statements shall contain suitable risk control to protect pedestrian workers and plant operators.</p>
Are there any noise restrictions?		✓	No specific restrictions but letter drop to residents to include contact number in case of any problems with noise and/or disturbance.
Are temporary works required?		✓	
Are there any vibration restrictions?		✓	
Are there any poor or hazardous ground conditions	✓		Works adjacent to steep highway embankments, structures and watercourses.
Are there any unstable structures?		✓	
Are there any areas classed (existing or designed) classed as confined spaces?	✓		The Type A survey shall be undertaken by inspection at access points in the footway such as in a manhole or inspection chamber. A method statement, programme of works, risk assessment and safety plan for the survey shall be submitted to the client before commencing work on-site.
Are there any smoking restrictions?	✓		No smoking is allowed on site. Designated smoking areas to be confirmed during site inductions.
Any environmental constraints identified?	✓		Refer to Environmental Assessment

**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**

Risk of Tar in lower pavement layers. Tar is unlikely to be encountered in surface course. Previously identified Tar has been identified and locations to be clearly marked on the schemes schedules/plans.

**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.

4. Existing Services		Refer to STATS plans listed in Document Issue Sheet		
Statutory Undertaker	Not Present	Over head	Under ground	Comments
<b>Electricity</b> If overheads cables are identified they should be clearly marked on the scheme drawings				
400/132kV [pylons]	✓			
66kV	✓			
33kV			✓	
11kV		✓	✓	
240/415Volts		✓	✓	
<b>Water (Foul and Potable)</b>				
Public Foul			✓	
Pressurised Foul	✓			
Public Combined Gravity	✓			
Pressurised Combined	✓			
Culverted Watercourse			✓	
Water Main			✓	
Aqueduct	✓			
<b>Communications</b>				
Communications			✓	
<b>British Telecom</b> If overheads cables are identified they should be clearly marked on the scheme drawings				
British Telecom		✓	✓	
<b>National Grid</b>				
National Grid	✓			
<b>Cadent Gas</b>				
LP Mains	✓			
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			✓	
<b>Highway Drainage</b>				
			✓	
<b>Other</b>				
Network Rail				
Service 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.

For Information Only  
Do not complete at this stage

## Appendix A - Location Plan

See drawing HE607428-KIER-GEN-A1\_ML\_Z-DE-CH-0000-01 for Location Plan.

## Appendix B - Construction Drawings

See Document Issue Sheet for list of current scheme drawings.

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

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

## Appendix D - Statutory Undertaker Drawings

See Document Issue Sheet for list of statutory undertaker drawings.

## Appendix E – Overhead cables

Overhead cables are marked on the statutory undertakers drawings. GS6 can be undertaken by Kier if requested by Contractor.

## Appendix F - List of Structures

Structure ID.	Structure Key	Structure Name	OS Grid References
A1//204.70	26038	A1/A17/A46 Slip	481425, 355832
A46//239.90	5376	A46 Crossing	481360, 355864
A1//205.40	5377	Bridge House	481080, 356300
A1//205.90	5378	Winthorpe Railway	480695, 356615
A1//206.10	5379	Winthorpe	480533, 356729
A1//206.40	5380	Flood Spans	480299, 356896
A1//206.80	5381	River Fleet	479883, 357231
A1//207.30	5382	Church Lane	479575, 357622
A1//208.50	5383	North Muskham I/C South	479321, 358753
A1//208.70	5384	North Muskham I/C North	479319, 358872

Structure ID.	Structure Key	Structure Name	OS Grid References
A1//209.30	5385	Vicarage Lane	479440, 359486
A1//210.60	5386	Bridge 1 Cromwell Bypass	479875, 360651
A1//211.50	5387	No.2 Cromwell Bypass	480115, 361549
A1//212.00	5388	Bridge 3 Cromwell Bypass	480029, 362005
A1//212.80	5389	Bridge 4 Cromwell Bypass N/B	479941, 362819
A1//212.80/A	5390	Bridge 4 Cromwell Bypass S/B	479966, 362837
A1//214.20	5391	Ossington Road	479560, 364190
A1//206.80	5381	River Fleet	479882,35728