

## **Area 3**

# **Maintenance and Response Contract**

**Construction (Design and Management) Regulations 2015**

**Pre-Construction Information**

**Project :** AREA 3 MAINTENANCE AND RESPONSE CONTRACT

**Client :** Highways England  
Bridge House  
1, Walnut Tree Close Guildford, Surrey  
GU1 4LZ

**Document :** Pre-Construction Information

**Document Revision Record**

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## CONTENTS

### 1 Description of the Project

- 1.1 Project title
- 1.2 Location
- 1.3 Timescale for the Works and Mobilisation
- 1.4 Nature of the project
- 1.5 Project Participants
- 1.6 Health and Safety Executive
- 1.7 Workplace (Health Safety and Welfare Regulations) 1992
- 1.8 Health and Safety File
- 1.9 As built drawings
- 1.10 Design Drawings
- 1.11 HSE Notification
- 1.12 A&E Hospitals
- 1.13 Relevant Fire Authorities
- 1.14 Relevant Police Authorities

### 2 Client's Considerations and Management Requirements

- 2.1 Structure and Organisation
- 2.2 Safety Goals for the Project and arrangements for monitoring/review
- 2.3 Permits and Authorisation Requirements
- 2.4 Emergency Procedures
- 2.5 RIDDOR and AIRSweb
- 2.6 Site Rules and Other Restrictions on Contractors, Suppliers and Others
- 2.7 Activities on or Adjacent to the Area
- 2.8 Arrangements for liaison between parties
- 2.9 Security requirements
- 2.10 Welfare Provision
- 2.11 Compound & Storage Constraints

### 3 Environmental Restrictions and Existing On-Site Risks

- 3.1 Safety Hazards
- 3.2 Health Hazards

### 4 Significant Design and Construction Hazards

- 4.1 Design Assumptions and Control Measures
- 4.2 Materials Requiring Particular Precautions
- 4.3 Traffic
- 4.4 Additional Considerations

### 5 The Construction Phase Plan

- 5.1 The Construction Phase Plan

### 6 The Health and Safety File

- 6.1 Client's Requirements

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**1 DESCRIPTION OF THE PROJECT**

**1.1 Project Title**

Maintenance and Response Contract, Highways England Area 3

**1.2 Location**

The existing road network comprises 1, 2, 3 and 4 lane Motorways with hard shoulders and dual and single carriageway Trunk Roads of varying characteristics. The Network also incorporates smart motorways, All Lane Running sections, junctions, interchanges, slip roads, tunnels (Hindhead), link roads and highway structures, all as listed in the Network Information.

The boundaries of Area 3 including the motorways and trunk roads for which the Client is responsible are detailed in Section 1.1 of the Network Information. The Area map is provided below:



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A number of Highways England maintenance depots are included as part of Area 3 as detailed in Section 1.16 of the Network Information, and listed below:

- Chieveley
- Dummer
- Easton Lane
- Hazel Grove
- Hook
- Park Gate
- Shefford
- Whitley Wood
- Bray
- Ower
- An additional new depot in Guildford

### 1.3 Timescale for the project and mobilisation period

The *starting date* is as detailed in the Contract Data Part 1

The *access date* is as detailed in the Contract Data Part 1

The *service period* is 8 years



Mobilisation period (time allowed between appointment and instruction to commence site works)

### 1.4 Nature of Project

The successful Tenderer will be appointed as the Maintenance and Response Principal Contractor and will be known under the contract as the Contractor.

The nature of the services required to be undertaken by the *Principal Contractor* are defined in the Area 3 Maintenance and Response Scope. This includes the operation and maintenance of Area 3 comprising incident response, cyclic and reactive maintenance, minor improvements and severe weather services.

1.5 **Key Duty Holders**

<b>The Client:</b>	Highways England (as per Contract Data Part 1)
<b>The Principal Designer (Pre M&amp;R contract award):</b>	Kier (Area 3 Progressive Asset Delivery)
<b>The Principal Designer (Post M&amp;R contract award):</b>	Highways England (as per Contract Data Part 1), or Others as appointed by Highways England
<b>Principal Contractor (Pre M&amp;R access date):</b>	Kier (Area 3 Progressive Asset Delivery)
<b>Principal Contractor (Post access date for works undertaken by the <i>Contractor</i> only):</b>	The <i>Contractor</i> (as per Contract Data Part 1)
<b>Principal Contractor (for works undertaken by others):</b>	The <i>Contractor may be instructed to act as PC for work undertaken by others</i>

1.6 **Health and Safety Executive:**

**Basingstoke**

Covers: Berkshire, Hampshire,  
Oxfordshire

[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

**Oxted**

Covers: Surrey

[REDACTED]  
[REDACTED]  
[REDACTED]

**Bristol**

Covers: Wiltshire

[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

**Dorset**

Covers: Dorset

[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

[REDACTED]

**1.7 Workplace (Health Safety and Welfare Regulations) 1992**

The *Principal Contractor's* services may include depot improvement or renewal schemes. The *Principal Contractor* must note that a depot constitutes a workplace under the Workplace (Health, Safety and Welfare) Regulations 1992.

When depots are used as welfare facilities for Workers, then welfare must be provided as per CDM Regulation 2015 (CDM2015) schedule 2.

**1.8 Health and Safety File**

The Area 3 Health and Safety File is held by the current Progressive Asset Delivery (PAD), [REDACTED]. Further details may be provided upon request to Highways England.

The H&S File consists of multiple H&S Files for schemes undertaken on the Affected Property in addition to asset maintenance records.

The Principal Designer shall develop the Health and Safety File throughout the life of the Project (see Section 6). The Maintenance and Response Contractor shall provide all the information necessary to support development of the Health and Safety File.

**1.9 As Built Drawings**

As built drawings are held by the current PAD, [REDACTED]. Further details may be provided upon request to Highways England.

**1.10 Design Drawings**

Information on current and planned renewal and improvement schemes are provided within the Network Information. As-built drawings, drawings for current schemes and drawings for current schemes for Area 3 are held by the current PAD, [REDACTED]. Further details may be provided upon request to Highways England .

**1.11 Site Surveys and Investigations Commissioned for the Project**

Numerous site surveys and investigations have been commissioned throughout previous Area 3 Projects, including specialist asbestos, drainage CCTV, structural condition, asset condition, ecological surveys and geotechnical surveys. Further details may be provided upon request to Highways England .

**1.12 HSE Notification**

This project is notifiable in accordance with the Construction (Design and Management) Regulations 2015. After appointment, the *Client*, is to complete the Form F10 and submit to the HSE. The *Client* may ask someone else to notify on their behalf.

If the work constituting construction as defined under CDM2015 Regulation 2 undertaken as an individual scheme is expected to require notification under CDM2015 Regulation 6, the *Principal Contractor* must notify the *Client* as soon as he is aware. The *Client* will notify the relevant enforcing authority in accordance with the Construction (Design and Management) Regulations 2015.



### 1.13 Nearest Accident and Emergency Hospitals

The following hospitals in close proximity to Area 3 possess Accident and Emergency departments ([www.nhs.uk](http://www.nhs.uk)):

Princess Anne Hospital Coxford Rd, Southampton SO16 5YA	Basingstoke and North Hampshire Hospital Aldermaston Road, Basingstoke, Hampshire, RG24 9NA Tel: 01256 473 202
Queen Alexandra Hospital Southwick Hill Road, Cosham, Portsmouth, Hampshire, PO6 3LY Tel: 023 9228 6000	Royal Berkshire Hospital London Road, Reading, Berkshire, RG1 5AN Tel: 0118 322 5111
Wexham Park Hospital, Wexham, Slough, Berkshire, SL2 4HL Tel: 01865 741166	Frimley Park Hospital Portsmouth Road, Frimley, Surrey, GU16 7UJ Tel: 01276604604
Royal Surrey County Hospital Egerton Road, Guildford, Surrey, GU2 7XX Tel: 01483 571122	St Peter's Hospital Guildford Road, Chertsey, Surrey, KT16 0PZ Tel: 01932 872000
Epsom Hospital Dorking Road, Epsom, Surrey, KT18 7EG Tel: 01372 735 735	Kingston Hospital Galsworthy Road, Kingston Upon Thames, Surrey, KT2 7QB Tel: 020 8546 7711
East Surrey Hospital Canada Avenue, Redhill, Surrey, RH1 5RH Tel: 01737 768511	St Helier Hospital Wrythe Lane, Carshalton, Surrey, SM5 1AA Tel: 020 8296 2000
Croydon University Hospital 530 London Road, Thornton Heath, Surrey, CR7 7YE Tel: 020 8401 3000	Horton General Hospital Oxford Road, Banbury, Oxfordshire, OX16 9AL Tel: 01295 275500
John Radcliffe Hospital Headley Way, Headington, Oxford, Oxfordshire, OX3 9DU Tel: 01865 741166	Dorset County Hospital Williams Avenue, Dorchester, Dorset, DT1 2JY Tel: 01305 251150
Poole General Hospital Longfleet Road, Poole, Dorset, BH15 2JB Tel: 01202 665511	Royal Bournemouth General Hospital Castle Lane East, Bournemouth, Dorset, BH7 7DW Tel: 01202 303626

Salisbury District Hospital Odstock Road, Salisbury, Wiltshire, SP2 8BJ Tel: 01722 336262	The Great Western Hospital Marlborough Road, Swindon, Wiltshire, SN3 6BB Tel: 01793 604020
Heatherwood Hospital, High Street Ascot Berkshire, SL5 8AA Tel: 01344 877802	Hillingdon Hospital, Pield Heath Road, Uxbridge, Middlesex, UN8 3NN Tel: 01895 238282
Royal Hampshire County Hospital, Romsey Road, Winchester, Hampshire, SO22 5DG Tel: 01962 863535	Stoke Mandeville Hospital, Mandeville Road, Aylesbury, Buckinghamshire, HP21 8AL Tel: 01296 315000
Wycombe Hospital, Queen Alexandra Road, High Wycombe, Buckinghamshire, HP11 2TT Tel: 01494 526161	West Berks Community Hospital, Turnpike Road/London Road, Newbury, Berkshire, RG18 3AS

#### 1.14 Relevant Fire Authorities

([www.cfoa.org.uk](http://www.cfoa.org.uk))

Hampshire Fire and Rescue Service, Headquarters, Leigh Road, Eastleigh, Hampshire, SO50 9SJ Tel: 023 8064 4000 Fax: 023 8064 3178	Royal Berkshire Fire and Rescue Service, Headquarters, Pincent's Kiln Industrial Park, Newsham Court, Calcot RG31 7SD Tel: 0118 945 2888 Fax: 0118 959 0510
Surrey Fire & Rescue Service, St David's, 70 Wray Park Road, Reigate, Surrey, RH2 0EJ Tel: 01737 242444 / 01737 222857	Oxfordshire Fire & Rescue Service, Sterling Road, Kidlington, Oxford, OX5 2DU Tel: 01865 842999 / 01865 855242
Dorset & Wiltshire Fire and Rescue Service Five Rivers Health & Wellbeing Centre Hulse Road Salisbury Wiltshire SP1 3NR T:01722 691000	Buckinghamshire Fire and Rescue Service, Brigade HQ, Stocklake, Aylesbury, Buckinghamshire, HP20 1BD Tel: 01296 744400

#### 1.15 Relevant Police Authorities

([www.Police.uk](http://www.Police.uk))

Hampshire Constabulary, Operational Headquarters, Tower Street, Winchester SO23 8ZD	Thames Valley Police Headquarters, Oxford Road, Kidlington, Oxfordshire, OX5 2NX
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Surrey Police, HQ - Mount Browne, Sandy Lane, Guildford, Surrey, GU3 1HG	Dorset Police Force Headquarters, Winfrith, Dorchester, Dorset, DT2 8DZ
Wiltshire Police HQ, London Road, Devizes, Wiltshire, SN10 2DN	

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## **2 CLIENTS CONSIDERATIONS AND MANAGEMENT REQUIREMENTS**

### **2.1 Structure and Organisation**

The *Principal Contractor* shall include an organogram for H&S in any Construction Phase Plan(s) to show the intended management structure and organisation (including liaison).

### **2.2 Safety Goals for the Project and Arrangements for Monitoring and Review**

#### **2.2.1 Safety Goals:**

The *Client's* Key Objective for a 'Safe and Serviceable Network is set out in the Scope.

#### **2.2.2 Arrangements for Monitoring and Review:**

The *Principal Contractor's* performance will be measured in accordance with the Scope and the Collaborative Performance Framework Manual. This will be based on evidence produced by the *Principal Contractor*. Areas of poor performance will be highlighted for corrective action.

### **2.3 Permits and Authorisation Requirements**

Any person working on the Motorway network (excluding those working within established traffic management) must be part of a valid health and safety scheme. This can be obtained by undertaking a Highways England H&S briefing/Induction and must have a valid Motorway Pass issued by the *Client*. The *Principal Contractor* shall operate a procedure for the identification of its own and sub-contract personnel requiring such a passport and liaise with the *Client* regarding issue. The procedure is to include for annual renewal and surrender when appropriate.

The *Principal Contractor* shall arrange for and obtain the required authorisation from the appropriate organisation(s) before commencing work under any of the following circumstances (this list is not exhaustive):

- Works under the control of another Principal Contractor;
- Works in the vicinity of overhead and underground services;
- Works with live electrical systems;
- Works on or adjacent to railway lines and waterways;
- Works requiring the imposition of temporary traffic orders;
- Scheduled road works;
- Works that require the diversion of traffic on to local authority highways;
- Works that require temporary closure of local authority highways, bridleways or footpaths;
- Noisy operations;
- Works with the potential for causing pollution;
- Works causing other environmental impacts;
- Works requiring the storage, movement and disposal of waste;
- Works requiring planning consent.

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The works will require certain hazardous operations to be carried out for which the *Principal Contractor* must operate a permit to work system, including:

- works likely to produce dust or vapour clouds;
- hot works, (including welding, pipe jointing, thermic lance and stud attachment);
- high pressure water jetting;
- concrete saw cutting;
- demolition / dismantling;
- installation, alteration and removal of traffic management systems;
- working adjacent to, or connection to live services;
- working with asbestos;
- repetitive manual handling;
- working at height;
- working within confined spaces;
- lifting operations;
- excavations.

## 2.4 **Emergency Procedures**

The *Principal Contractor* shall incorporate emergency procedures into the Construction Phase Plan for review by the Principal Designer. The procedures shall include the immediate actions to be taken in the case of an emergency whether that be on a particular site or during any maintenance activities, whether from fire, explosion or other dangerous incident, or from an individual accident. The *Principal Contractor* is required to coordinate with the *Clients* Traffic Officer Service, other Principal Contractors, Regional Operations Centre, the Police and the Emergency Services.

Details of the A&E hospitals, relevant Fire Authorities and relevant Police Authorities are in sections 1.13 to 1.15 of this Pre-Construction Information.

Depot locations are provided in the Network Information, in addition to Emergency spill kit and Pollution Control Devices locations.

## 2.5 **RIDDOR and AIRSweb**

Details of any accidents (RIDDOR and general public road users within or on the approaches to the traffic management extents) shall be immediately reported to the *Client's* Health & Safety Manager.

Details of any potentially significant major "Near Misses" shall also be reported within 24 hours. Details shall be provided of any corrective action that has been and/or shall be taken.

Incident details shall also be recorded on the web-based version of the *Client's* Accident and Incident Reporting System (AIRS) named "AIRSweb" in accordance with

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GG 128 – Requirements for reporting incidents, events and undesirable circumstances: health, safety, wellbeing, structural and environmental.

## 2.6 **Site Rules and Other Restrictions on Contractors, Suppliers and Others**

The *Principal Contractor* shall incorporate a list of rules into the Construction Phase Plan(s) which shall apply to offices, depots, works vehicles and site works as appropriate. The *Principal Contractor's* Rules should include, as a minimum, the following:

- Correct PPE to be worn at all times;
- No alcohol or illegal drugs;
- No smoking;
- Explosives are not be used;
- Procedures for site visitors;
- No unauthorised persons shall enter the site;
- Procedures for reversing vehicles. Vehicles to reverse under the control of a Banks Person;
- Construction traffic shall comply with the requirements in Chapter 8 Part 2 of the Traffic Signs Manual;
- Parking in designated areas only;
- Vehicles must comply with site speed limit

The *Principal Contractor's* attention is drawn to the following documents and legislation relevant to this project (the list is not exhaustive):

- Environment Agency - Pollution Prevention Guidelines for Works and Maintenance In or Near Water (PPG5);
- Avoiding danger from underground services, (HSG 47);
- Avoidance of danger from overhead electrical lines, (GS6);
- Safe use of vehicles on construction sites (HSG 144);
- Backs for the future; safe manual handling in construction (HSG149);
- The Control of Substances Hazardous to Health Regulations 2002 (COSHH);
- Traffic Signs Manual Chapter 8.

## 2.7 **Activities on or Adjacent to the Area**

Due to the nature of the Project it is not possible to list all the potential constraints on the work to be carried out during the Project. The *Principal Contractor* will notify the *Client* of any works it intends to carry out on or adjacent to Area 3, as per the notice period specified in the contract. The *Client* should investigate potential clashes with other activities on or adjacent to Area 3 on a day to day basis to ensure work activities in that area remain safe for both workers and the general public.

**2.8 Arrangement for Liaison between Parties**

The *Client* and *Principal Contractor* will hold regular meetings and develop systems to facilitate good communications between the parties.

**2.8.1 Unforeseen Occurrences**

The *Principal Contractor* shall inform the *Client* upon the occurrence of an event, which creates either a serious health or safety hazard:

- to the health and safety of people;
- to the safe operation of any area of the live network and adjacent premises;
- that could result in major changes to the Project and/or to resources required to complete the work.

**2.8.2 Change to the Notification Form F10**

The *Principal Contractor* shall inform the *Client* of any changes to the following so that additional notification may be submitted to the HSE:

- significantly changed programme details;
- duration of Project;
- scope of the works undertaken under the Project;
- duty holders.

**2.9 Security Requirements**

The Construction Phase Plan(s) shall include details of the proposed security standards to be implemented across the differing work elements included within the Project.

All sites and working areas shall be left and kept in a safe condition outside working hours. All equipment shall be left secure and immobilised outside working hours.

The *Principal Contractor* shall consider that acts of trespass, vandalism and attempted theft can be expected across Area 3 and that these factors should be considered when formulating security measures.

**2.9.1 General Public**

The *Principal Contractor* shall ensure that all necessary precautions are in place to protect the general public from coming into contact with any harm from the construction and maintenance activities associated with the Project.

**2.10 Welfare Provision**

Welfare facilities exist within each of the *Client's* maintenance depots.

The *Principal Contractor* shall include details of the proposed welfare facilities to be provided for cyclic maintenance activities in the Area Construction Phase Plan. For discrete schemes, details of the proposed welfare facilities shall be provided in the

Scheme Specific Construction Phase Plan(s). As a minimum, welfare facilities should be as outlined in Schedule 2 of the CDM Regulations 2015.

**2.11 Compound & Storage Constraints**

Temporary services may or may not be available. The *Principal Contractor* shall, for each discrete notifiable scheme, include details in the Scheme Specific Construction Phase Plan of the proposed temporary site compound and storage facilities.

The *Client* may provide permanent office and storage space as set out in the Service Information and Network Information.



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### **3 ENVIRONMENTAL RESTRICTIONS AND EXISTING ON-SITE RISKS**

#### **3.1 Safety Hazards**

##### **3.1.1 Boundaries and Access (Including Temporary Access)**

The access and egress for each individual work site will be via signed access/egress points in accordance with the requirements of Traffic Signs Manual Chapter 8 and associated Codes of Practice etc. Provision and maintenance of access/egress points will be the responsibility of the *Principal Contractor*.

Parts of the network operate as Smart Motorways and ALR. The *Contractor* shall develop safe working methods for routine and emergency maintenance as well as for individual schemes on these parts of the Affected Property.

##### **3.1.2 Existing and Adjacent Land Uses**

The works will be performed at a variety of locations across Area 3. The present adjacent land use of Area 3 is varied but consists of a selection of urban and rural environments with housing, commercial, industrial, agricultural and development areas. A number of rivers cross or run adjacent to Area 3.

A number of railway lines cross or run adjacent to Area 3 and the *Principal Contractor* shall ensure that full consultation with Network Rail, or relevant rail operator, takes place before working in the vicinity of any railway line or associated overhead electrical equipment.

##### **3.1.3 Existing Storage of Hazardous Materials**

Hazardous materials are stored on work sites and in depots. These include common construction materials such as cement and concrete, plus fuels, adhesives, paints, solvents and cleaning products. A register of hazardous materials for which COSHH assessments have been carried out is maintained.

There is a risk of hazardous material being illegally dumped in the Affected Property at any time.

Information on Hazardous waste management included within the premises manuals provided within the Network Information. Requirements for waste management including licencing are detailed in Annex 14.

##### **3.1.4 Location of Existing Services**

Underground and overhead services may exist within and adjacent to the proposed working sites.

The *Client* shall search and liaise with the appropriate bodies in locating the services prior to commencing any work. The *Principal Contractor* shall confirm the presence of services on site and take the appropriate measures before commencing any work.

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All live and redundant services within and adjacent to the works area shall be located, marked and protected.

Where overhead power lines cross the work areas, the *Principal Contractor* is advised to conduct a detailed examination of the site(s) to plan the access, manoeuvring and working of construction vehicles, plant and equipment, prior to work commencing on site.

#### 3.1.5 Ground Conditions

The ground conditions across Area 3 vary widely in nature. Details of these conditions are available in the HAGDMS database; summary data is available in the Network Information section 1.6.

#### 3.1.6 Existing Structures - Stability or Fragile Materials

The *Principal Contractor* should be aware that existing structures across Area 3 will be affected by the works and will require due consideration with regard to their inherent Structural Stability during any construction or routine maintenance works. The *Clients* IAMIS Structures database has details of the structures within Area 3; extracts from this database are included in the Network Information section 1.14. These structures may have associated shoring, strutting and other temporary support systems necessary to protect the existing structures.

Fragile materials exist on some structures (particularly depot and salt barn roofs). The *Principal Contractor* is made aware that a full risk assessment and H&S management plan is needed before attempting to gain access to or applying loads to potentially fragile materials.

Special consideration should be given to old assets within the Area 3 and the risks associated with maintaining and operating them. For example, the significant concrete loss on the bridge deck at Welford viaduct.

Refer to the severe weather plan for details of high risk locations.

#### **Low Bridges with Height Restrictions**

Details of low bridges with height restrictions are contained in Network Information section 1.14 and the *Clients* IAMIS Structures database.

#### **Narrow/Constraint Verges on bridges – maintenance workers**

Details of narrow and constraint verges on bridges are contained in Network Information section 1.14 and the *Clients* IAMIS Structures database.

#### **Steep Embankments**

Details of steep embankments are contained in Network Information section 1.6.

#### **Unprotected Edges/Substandard Parapet Heights**

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Details unprotected edges and substandard parapet heights are contained in Network Information section 1.14 and the *Clients* IAMIS Structures database.

### **Tunnel Maintenance and Operation**

Information regarding the maintenance and operational requirements for Hindhead tunnel are provided in the Network Information. Consideration should be given to the risk associated with carrying out maintenance operations within or in proximity of the tunnel.

#### **3.1.7 Electrical Information**

Information is contained in the Energy Procurement Strategy database and TPMS inventory which are located in Sections 1.13 and 2 of the Network Information respectively.

#### **3.1.8 Fuel pipelines**

Fuel pipelines are classed as Critical National Infrastructure Assets (CNI). The Principal Contractor shall contact the SE Emergency Planner during the mobilisation period to receive a briefing on CNI assets to ensure that method statements and risk assessments cover the requirements for working above, below, and in the vicinity of the assets, as appropriate. The Principal Contractor shall ensure the security of the asset information.

### **3.2 Health Hazards**

#### **3.2.1 Asbestos, Including Results of Surveys**

Asbestos is present in Area 3. Details of known asbestos locations are provided in the Area Asbestos Management Plans. Further details regarding Asbestos containing materials on the various site(s) and any site surveys carried out across Area 3 can be provided upon request.

#### **3.2.2 Contaminated Land**

Contamination information is stored in HAGDMS. Access can be provided upon request.

#### **3.2.3 Tar**

There is tar on certain routes within Area 3 network. Details of where it was located and remains in-situ are contained in Health and Safety Files for the relevant schemes.

#### **3.2.4 Leptospirosis (Weil's Disease) and Other Water Borne Diseases**

The *Principal Contractor* shall take appropriate measures (including employee training) to ensure that the risk of site personnel contracting water borne diseases such as Leptospirosis is minimised and controlled.

### 3.2.5 Hazardous Materials Associated with Existing Structures

Details regarding asbestos in structures are provided within the asbestos management plan, the as-built information and the inspection records.

### 3.2.6 Health Risks arising from Client's Activities - Dust, Noise and Vibration

Works may be carried out on or adjacent to Area 3 by other contractors. The *Client* and *Principal Contractor* shall coordinate their respective operations to ensure that the effects of dust, noise and vibration do not adversely affect the other party.

### 3.2.7 Fire Hazards

Fuel storage facilities exist in each of the *Clients* maintenance depots.

Depot	Supplier	Fuel Type & Grade	Maximum fuel storage capacity (Gas Oil Litres)	Maximum fuel storage capacity (DERV Litres)	Minimum fuel storage (Litres)
Bray	Watson Petroleum	Gas Oil & Derv	10,000	10,000	3000
Chieveley	Watson Petroleum	Gas Oil & Derv	10,000	10,000	3000
Dummer	Watson Petroleum	Gas Oil & Derv	10,000	10,000	3000
Easton Lane	Watson Petroleum	Gas Oil & Derv	10,000	10,000	3000
Hook	n/a	Gas Oil & Derv	7000	22000	n/a
Ower	Watson Petroleum	Gas Oil & Derv	10,000	10,000	3000
Park Gate	Watson Petroleum	Gas Oil & Derv	10,000	10,000	3000
Shefford woodlands	Watson Petroleum	Gas Oil & Derv	10,000	10,000	3000
Whitley Wood	Watson Petroleum	Gas Oil & Derv	10,000	10,000	3000
Hazel Grove	tbc	tbc	tbc	tbc	tbc

### 3.2.8 Injurious Weed

Information regarding known injurious weed is provided in the Network Information section 1.7.

3.2.9 Flood risks

There are several flood risk locations within Area 3, as detailed in the Network Information. The Principal Contractor should manage risks and residual risks to avoid hazards at such locations. Special consideration should be given to Chieveley balancing pond on the M4/A34 junction due to the increased flood risk.

Refer to the severe weather plan for high risk locations.

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#### **4. SIGNIFICANT DESIGN AND CONSTRUCTION HAZARDS**

##### **4.1 Design Assumptions and Control Measures**

Some designs have been prepared for renewal and improvement schemes for Area 3. The *Principal Contractor* is not required to undertake design as part of the Project.

The *Client* will provide the *Principal Contractor* with the following at the start of the Contract:

- access to the existing Area 3 Health and Safety File;
- access to all relevant inventory and information systems, as defined in the Scope.

##### **4.2 Materials Requiring Particular Precautions**

Particular care shall be taken whilst handling heavy/ large/ fragile pieces of debris/ pre-cast elements/ structural elements. The *Principal Contractor* shall use mechanical handling where practicable.

Where the use of materials hazardous to health cannot be avoided the *Principal Contractor* shall ensure that a full COSHH assessment is carried out as relating not only to the workforce but also to members of the public. Suitable control measures shall be introduced to ensure that exposure levels are properly controlled.

Certain materials may cause damage to adjacent property or passing vehicles if they are not properly contained. The *Principal Contractor* shall ensure that adequate precautions are introduced to avoid such damage.

##### **4.3 Traffic**

All Temporary Traffic Management shall be in accordance with Chapter 8 of the Traffic Signs Manual.

Particular care and attention shall be paid to traffic safety when placing, altering and removing the traffic management arrangements. Attention shall be paid to traffic safety and management measures and interface with users within the Construction Phase Plan.

##### **4.4 Additional Considerations**

###### **4.4.1 Health Hazards**

The *Principal Contractor* shall stipulate procedures in the Construction Phase Plan to identify the characteristics of the materials specified or chosen for incorporation and shall ensure these characteristics are clearly understood by those required to handle, store, work with and dispose of such material.

Similarly, controls shall be stipulated and exercised to protect other persons at the site or members of the public from accidental contact with any hazardous material.

#### 4.4.2 Working at Night / Within the Hours of Darkness

Working at night can introduce certain hazards including:

- poor visibility leading to slips, trips and falls;
- tiredness;
- dazzling due to traffic headlights;
- poor visibility for reversing vehicles.

The *Principal Contractor* shall identify all suitable measures to mitigate against the above hazards including any lighting requirements.

#### 4.4.3 Manual Handling Operations

The *Principal Contractor* shall ensure that operatives are fully trained in manual handling procedures and wherever possible, provide mechanical handling aids to avoid such operations.

#### 4.4.4 Personal Protective Equipment (PPE)

High visibility warning clothing complying with paragraph 6.3 of Chapter 8 Part 2 of the Traffic Signs Manual shall be worn at all times by all personnel whilst working on or adjacent to the trunk road and motorway network.

The *Principal Contractor* shall comply with the Personal Protective Equipment at Work Regulations 1992 in all other matters. The use of such equipment will be governed by the site rules (see Paragraph 2.6 of this document).

#### 4.4.5 Confined Spaces

The *Principal Contractor* shall ensure operatives working in confined spaces are fully trained in accordance with the Confined Space Regulations 1997. Working methods shall wherever practicable seek to avoid the need for working in confined spaces.

#### 4.4.6 Temporary Works

The *Principal Contractor* shall ensure that all temporary works are suitable for the intended use. The *Principal Contractor* shall pay particular attention to the installation and removal of temporary works.

#### 4.4.7 Work at Height

The *Principal Contractor* shall wherever practicable employ working methods to avoid the need to work at height. Where working at height is required a protection system suitable for the type of works undertaken shall be used.

## **5. THE CONSTRUCTION PHASE PLAN**

### **5.1 Construction Phase Plan**

The *Principal Contractor* shall prepare the Area Construction Phase Plan relating to cyclic maintenance works as required by the Construction (Design and Management) Regulations 2015. This Plan shall be submitted to the *Client*, no later than five working days prior to the start of the construction phase, so that the *Client* may be advised as to its adequacy in accordance with Construction (Design and Management) Regulations 2015.

The recommended minimum content for the Construction Phase Plan is set out in the Construction (Design and Management) Regulations 2015.



**6. THE HEALTH AND SAFETY FILE**

**6.1 *Clients* Requirements**

The *Principal Contractor* shall provide all relevant information to the Principal Designer for inclusion in the Area 3 Health and Safety File.