

**Highways England Company Limited**

## **Area 9**

### **Maintenance and Response Contract**

#### **Scope**

#### **Annex 20**

### **Additional Maintenance and Operational Requirements**

## CONTENTS AMENDMENT SHEET

Amend. No.	Revision No.	Amendments	Initials	Date
0	0	Tender Issue	AJP	30/06/2021

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## **1 Introduction**

- 1.1 This Annex defines the additional maintenance and operational requirements that vary from or are not defined within the *Client* Requirements.

## **2 Collaborative Custodian Role**

- 2.1 No additional maintenance and operational requirements identified.

## **3 Incident Management**

- 3.1 Road traffic levels apply as per [REDACTED]

## **4 Severe Weather**

- 4.1 The *Contractor* undertakes severe weather services at [REDACTED] toilet block located on A458 and Montford Bridge site on the A5 West of Shrewsbury, Shropshire. The treatment routes for both are included in the Severe Weather Plan route cards. Access to Montford Bridge is via a combination padlock that the driver of route 3 has the code for.

## **5 Network Occupancy Requirements**

- 5.1 The *Contractor* complies with Area 9 working restrictions and embargo dates as specified by the *Client*. An example is provided here: [REDACTED]
- 5.2 The *Contractor* complies with the security and safety requirements specific to Meir Tunnel. Details of the procedures will be provided during mobilisation.

## **6 Asset Type: 0300 - Fences, Walls, Screens and Environmental Barriers**

- 6.1 The *Contractor* inspects the noise and environmental barriers as instructed by the *Service Manager*.

## **7 Asset Type: 0400 - Road Restraint Systems (Vehicle and Pedestrian)**

- 7.1 The *Contractor* checks all safety barriers (including crash cushions, handrail and end terminals but excluding concrete barriers and pedestrian guard rail) every 2 years, in line with the cyclic maintenance activities. The *Contractor* captures and records inspection results electronically in a manner compatible with Highways England data systems and in accordance with the ADMM.
- 7.2 The *Contractor* opens and sweeps to remove accumulation of detritus at Sologuard & Britpave road restraint gates, as per manufacturer's requirements and every two years as a minimum, as instructed by the *Service Manager*. Locations of Sologuard and Britpave are provided in the Network Information. The *Contractor* ensures their staff are trained to

open Sologuard & Britpave road restraint systems. High level information on training requirements are provided in the Network Information.

## **8 Asset Type: 0500 - Drainage and Service Ducts**

- 8.1 The *Contractor* maintains vortex grit separators in accordance with manufacturer's requirements, as instructed by the *Service Manager*.
- 8.2 The *Contractor* services balancing ponds' control devices to ensure correct operation of the ponds, services the gates and locks to ensure accessibility and clears obstructions (including vegetation) to allow access to the inlets and outlets, on an annual basis, as instructed by the *Service Manager*.
- 8.3 The *Contractor* removes service grade defects and obstructions, carries out mechanical and electrical maintenance, replacement of parts or renewal works for well points and pumping stations as instructed by the *Service Manager*.
- 8.4 The *Contractor* jets structures elevated section underslung horizontal and vertical drainage (total 33km length) every 2 years, as instructed by the *Service Manager*. Locations are provided in the Network Information.
- 8.5 The *Contractor* maintains and ensures the correct operation of gutters on structures, as instructed by the *Service Manager*.

## **9 Asset Type: 0600 - Geotechnical Assets**

- 9.1 The *Contractor* removes vegetation as instructed by the *Service Manager* to facilitate access for inspections.

## **10 Asset Type: 0700 - Pavements / Paved Areas**

- 10.1 No additional maintenance and response requirements identified

## **11 Asset Type: 1200 - Traffic Signs and Road Markings / Studs**

- 11.1 No additional maintenance and response requirements identified.

## **12 Asset Type: 1300 - Lighting**

- 12.1 No additional maintenance and response requirements identified.

### **13 Asset Type: 1500 – Roadside Technology**

- 13.1 The *Contractor* maintains magnetometers, as instructed by the *Service Manager*.
- 13.2 The *Contractor* maintains all forms of detection systems, not listed under Table E/A.8 of ADAMr, as instructed by the *Service Manager*.
- 13.3 The *Contractor* maintains the Stopped Vehicle Detection (SVD) system every 5 years, as instructed by the *Service Manager*.
- 13.4 The *Contractor* repairs defects associated with technology cabinets, as instructed by the *Service Manager*.
- 13.5 The *Contractor* cleans and calibrates tunnel air quality monitoring system sensors every 3 months as instructed by the *Service Manager*.
- 13.6 The *Contractor* maintains and repairs defects to solar and hydrogen powered CCTVs as instructed by the *Service Manager*.
- 13.7 The *Contractor* provides and checks electrical cables feeding trial sites as instructed by the *Service Manager*.
- 13.8 The *Contractor* carries out CCTV realignment of Hard Shoulder Monitoring Cameras, as instructed by the *Service Manager*.
- 13.9 The *Contractor* provides and maintains battery chargers for NTIS (TAME) as instructed by the *Service Manager*.

### **14 Asset Type: 1700 - Structures**

- 14.1 The *Contractor* carries out periodic inspections, testing and certification of Alternating Current systems associated with Impressed Current Cathodic Protection (ICCP) installations at structures (825 no.), in accordance with BS 7671 and IET Wiring Regulations 18<sup>th</sup> Edition, as instructed by the *Service Manager*. The *Contractor* shall be NICEIC approved for this provision.

### **15 Asset Type: 2200 – Tunnels**

- 15.1 The *Contractor* provides additional Tunnel maintenance, operational and incident management services, as instructed by the *Service Manager*. Information regarding maintenance requirements and the current tunnel cyclic maintenance for Area 9 Meir Tunnel is provided in the Network Information.

### **16 Asset Type: 3000 – Landscape and Ecology**

- 16.1 The *Contractor* manages locations of diseased trees and Ash dieback and carries out tree cutting and disposal activities, as instructed by the *Service Manager*.
- 16.2 The *Contractor* maintains landscape and ecology as per the Soft Estate Documents in Section 1.7.9 of the Network Information, as instructed by the *Service Manager*.
- 16.3 The *Contractor* sprays grass retarder at grass and vegetation locations near road traffic signs and signals, as instructed by the *Service Manager*.
- 16.4 For clarity, maintenance activities associated with grass and vegetation in ADAMr should allow for the removal of small trees (under 10cm diameter DBH).
- 16.5 The *Contractor* carries out 4m width swathe cuts at locations near stopped vehicle detection sites, as instructed by the *Service Manager*. The swathe cut should start 250m before the cameras and extend to 250m after the cameras.
- 16.6 The *Contractor* maintains the soft estate near [REDACTED] toilet block located on A458 and Montford Bridge site on the A5 West of Shrewsbury, Shropshire, as instructed by the *Service Manager*.
- 16.7 The *Contractor* removes vegetation around ANPR and enforcement camera locations to ensure visibility, access and functionality, as instructed by the *Service Manager*.

## 17 Not used

## 18 Asset Type: 4000 - Sweeping and Cleaning

- 18.1 The *Contractor* sweeps to remove accumulation of detritus near vertical concrete barriers, as per Price List Schedule A Reference Number 4.9.3.
- 18.2 The *Contractor* hand sweeps locations adjacent to paved central reserve upstands and tensioned guard rail. The lengths are included within the central reservation data and are accounted for under the litter picking activity for carriageways, paved verges and paved central reservation of motorways and APTRs in the Price List Schedule A.
- 18.3 The *Contractor* carries out litter picking to maintain to grade A and grass cutting at the layby near [REDACTED] toilet block located on A458 and Montford Bridge site on the A5 West of Shrewsbury, Shropshire.

## 19 Other Duties

- 19.1 The *Contractor* carries out inspections for network safety as instructed by the *Service Manager* and in accordance with Scope Annex 30. These are undertaken by patrolling the Affected Property on a frequency defined by the *Client*. The methodology for undertaking inspections shall depend upon the network characteristics, its accessibility and the safety of inspection. Vehicles should be compliant with Highways England's Visual Identity

- requirements (refer to Annex 3). Inspections are carried out only after completion of the appropriate dynamic risk assessment and are undertaken in line with all local arrangements. Footways and cycleways not visible from the driven inspection are inspected on foot.
- 19.2 The *Contractor* conducts Lighting Operational Inspections (“scouting”) to check for outages of illuminated signs and road lighting in accordance with the requirements of TS 501, as instructed by the *Service Manager*.
- 19.3 The *Contractor* reports inspection and survey results using the templates and forms agreed with the *Service Manager* prior to undertaking the inspection or survey, including inputting inspection data into Highways England systems where required.
- 19.4 The *Contractor* maintains fuel levels as per the maximum and minimum levels specified in the Severe Weather Plan in Scope Annex 03.
- 19.5 The *Contractor* maintains in a safe and serviceable condition the septic tanks at [REDACTED] toilet block and Montford Bridge site on the A5 West of Shrewsbury located on A458, Shropshire, as instructed by the *Service Manager*.
- 19.6 The *Contractor* provides contingency fuel to the *Client* Traffic Officers, *Client* inspectors, National Vehicle Recovery Service and other vehicles in the event of a national shortage, as instructed by the *Service Manager*.
- 19.7 The *Contractor* ensures provision of SIM cards for interceptors, fuel tanks, Portable Variable Message Signs, depot CCTV cameras and all other remote devices for the duration of the Service Period, as instructed by the *Service Manager*.
- 19.8 The *Contractor* maintains the Maintenance Access Vehicle (MAV) and the Enhanced Customer Response Unit (ECRU), as instructed by the *Service Manager*. The *Contractor* facilitates access to the vehicles should the *Service Manager* commission maintenance through a third party.
- 19.9 The *Contractor* complies with the Scope requirements in relation to depot and vehicle maintenance, in addition to the Depot and Vehicle Service Level Agreement requirements listed in the Network Information Section 1.16
- 19.10 The *Contractor* ensures the security of the Temporary Support Steelwork stocks and facilitates access for *Client* representatives as required.