

# **National Asset Delivery Technical Surveys and Testing**

**Scope for  
570135 A303 67.0 B3092 Underbridge—  
Topographic Survey Rev 1**

**CONTENTS AMENDMENT SHEET**

Amend. No.	Revision No.	Amendments	Initials	Date
0	0	Original version issued with tender	ET	21/2/20

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**LIST OF ANNEXES****Appendix 1 – Supplementary Constraints****Appendix 2 – Specification for Geodetic Survey**

## 1 PURPOSE OF THE *SERVICES*

### 1.1 Project objectives

- 1.1.1 The full deck re-waterproofing, re-surfacing and joint replacement works are proposed for A303 67.0 B3092 Underbridge. Therefore, a topographical survey is required to ascertain the existing dimensional and level survey of the structure and surrounding area together with road markings and street furniture. The principle objective of this project is to undertake a topographical survey at bridge location stated in drawings **HE570135-KIER-GEN-A303\_MP67.0-DR-CB-0000 01** & **HE570135-KIER-GEN-A303\_MP67.0-DR-CB-0000 02** and provide subsequent report in accordance with the requirements detailed in the specification.

The proposed full deck refurbishment works will require TM with contra-flow traffic. The area of the proposed crossover points for the contra-flow need to be topographically surveyed. The extent and locations of the topographical survey at the crossover points are shown in drawing **HE570135-KIER-GEN-A303\_MP67.0-DR-CB-0000 03** & **HE570135-KIER-GEN-A303\_MP67.0-DR-CB-0000 04**.

- 1.1.2 The specification that applies to the *services* is included in Section 6

### 1.2 Scope of *services*

- 1.2.1 The *services* to be provided under this contract are:

- (1) Pre – Specification overall topographical survey to be carried out comprising everything that is covered on section 5.0 of Appendix 2 – Specification for Geodetic survey. Also, please refer to drawing **HE570135-KIER-GEN-A303\_MP67.0-DR-CB-0000 01**, **0000 02**, **0000 03** & **0000 04** for the topographical survey extents at the bridge location and the two crossover points respectively.
- (2) TM will be required and will be provided by HE.

### 1.3 Deliverables

- 1.3.1 The *Consultant* is required to produce the following deliverables:

In addition to the items listed in Appendix 2 - Specification for Geodetic Surveying Services for Highway Works - 2D sections through the survey area at approximate 5m intervals shall be created with cross sections at the start and end of the bridge. The sections shall be transverse to the main length of the structure.

## 2 EXISTING INFORMATION

### 2.1.1 Location

B3092 Underbridge carries the A303 over an unnamed road at marker post 67.0 ('ArcGIS' indicates the Umbridge is located between MP172.3 and MP172.4 instead). The structure is at Ordnance Survey Grid Reference 378138 / 130681.

The proposed south crossover point will be at location between MP 173/0 and MP 172/6 of A303. The proposed north crossover point will be at location between MP 172/2 and MP 171/8 of A303.

### 2.1.2 The Drawings listed below apply to this contract. Refer to the site information for details of existing site conditions including ground conditions, limitation on access, position of existing structures etc.

Drawing Number	Title	Revision / Date
HE570135-KIER-GEN-A303_MP67.0-DR-CB-0000 01	TSTC SURVEY LOCATION PLAN	C1
HE570135-KIER-GEN-A303_MP67.0-DR-CB-0000 02	EXTENT OF TOPOGRAPHICAL SURVEY LAYOUT 1 OF 3 (BRIDGE LOCATION)	C1
HE570135-KIER-GEN-A303_MP67.0-DR-CB-0000 03	EXTENT OF TOPOGRAPHICAL SURVEY LAYOUT 2 OF 3 (SOUTH CROSSOVER LOCATION)	C1
HE570135-KIER-GEN-A303_MP67.0-DR-CB-0000 04	EXTENTS OF TOPOGRAPHICAL SURVEY LAYOUT 3 OF 3 (NORTH CROSSOVER LOCATION)	C1

### **3 CONSTRAINTS ON HOW THE CONSULTANT PROVIDES THE SERVICES**

#### **3.1 General**

- 3.1.1 The *Consultant* Provides the Services in such manner as to minimise the risk of damage or disturbance to or destruction of third-party property.
- 3.1.2 The *Consultant* complies with the constraints and meets with the requirements outlined in Appendix 1.
- 3.1.3 The *Consultant* submits information detailing how the *Consultant* will provide the Services to the *Client* prior to the services commencing. This information will include any lifting plans, risk assessments, method statements, the *Consultant's* staff training information and any other relevant Health and Safety requirements.

#### **3.2 Working hours & site specific constraints**

- 3.2.1 The *Consultant's* working hours for site works shall be finalised during mobilisation but are assumed for tendering purposes to be 10 pm – 6 am.
- 3.2.2 *Consultant* to remain within the Highways Boundaries for the duration of the works.

#### **3.3 Health, Safety and Environment & Risk Management**

##### Health and Safety requirements

- 3.3.1 In Providing the Services the *Consultant* meets the requirements of Annex 2 of the supplementary constraints relation to health and safety duties.
- 3.3.2 The *Consultant* shall comply with the requirements of Highways England's safety passport scheme and ensure that all of his employees, and any of his subcontractor's, are registered in accordance with the implementation of the scheme. Details on the scheme can be found here: <http://www.highwayssafetyhub.com/safety-passport.html>
- 3.3.3 For details of the CDM duty holders, refer to the pre-construction information which can be found here (A303 67 B3092 Underbridge PCI Rev 1.pdf)
- 3.3.4 Before commencing the construction phase of the services, the *Consultant* confirms to the *Client* that adequate welfare facilities are in place. Where the facilities detailed in section 5 are not deemed adequate, the *Consultant* provides all necessary facilities to Provide the Services and to comply with the minimum requirements set out in HSE guidance document L153.

##### Environmental requirements

- 3.3.5 In Providing the Services the *Consultant* meets the requirements of Annex 2 of the supplementary constraints in relation to environmental duties.

Risk Management

- 3.3.6 The *Consultant* identifies, manages and mitigates risks in accordance with the principles of ISO31000.
- 3.3.7 The *Consultant* submits a risk register, which captures all risks associated with the delivery of the *services* including those identified by the *Client*, with his tender and maintains it for the contract period.

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#### 4 REQUIREMENTS FOR THE PROGRAMME

- 4.1.1 The *Consultant* submits programme to the *Client* with his tender.
- 4.1.2 The *Consultant* Provides the Services taking into account the following programme constraints:
- (i) the *starting date* and *completion date* and any post site works, reporting and review period
  - (ii) The *services* and other things provided by *Client* (see Section 5)
- 4.1.3 The programme and be in the form of an activity and time related bar chart produced as a result of a critical path analysis.
- 4.1.4 The programme must be provided in a PDF or MS Project or MS Excel format and cover the full contract period including post site activities. All activities should be clearly defined and named and the following shall be shown on the programme:
- (i) the *starting date*, *completion date* & *Consultant's* planned completion
  - (ii) for each activity, the proposed resources (plant & labour) expected to deliver each activity should be shown on the programme
  - (iii) review periods for any reporting requirements
  - (iv) key dates for the Client to provide '*services* and other things'
  - (v) key dates for co-ordination with Others
- 4.1.5 The *Consultant* updates the programme every week. The *Consultant* submits an updated programme to the *Client* upon request.



## **5 SERVICES AND OTHER THINGS PROVIDED BY THE *CLIENT***

5.1.1 The following temporary traffic management will be provided by the *Client* to allow the *Consultant* to Provide the Works:

- (1) Traffic management will comprise either lane closures of A303 carriageway or a full closure of the section of A303 between B3081 and B3092 Castle Street subject to any discussions with Dorset County Council (North Dorset)

5.1.2 The other things that will be provided by the *Client* are as follows:

- (1) The welfare facilities will be provided by the Principle Contractor.
- (2) If full closure is required, a TTRO will be in place to allow the night closure of the A303 for the duration of the investigation.

## **6 SPECIFICATION FOR THE SERVICES**

- 6.1.1 The *Consultant* shall Provide the Services in accordance with appendix 1 – Specification for Geodetic Survey.

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