

**National Asset Delivery
Technical Surveys and Testing**

**Works Information for 570135 A303
67.0 B3092 Underbridge – Drainage
Survey**

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**

1 DESCRIPTION OF THE WORKS

1.1 Project objectives

- 1.1.1 The full deck re-waterproofing, re-surfacing and joint replacement works are proposed to A303 67.0 B3092 Underbridge. A detailed investigation of the drainage is required to understand the existing system.
- 1.1.2 The principal objective of this project is to undertake a drainage survey at the areas in drawings **HE570135-KIER-VGN-A303_MP67.0-SK-CB-0100 03, 04 & 05** and provide subsequent report in accordance with the requirements detailed in the specification.
- 1.1.3 The specification that applies to the *works* is included in Section 6

1.2 Scope of works

- 1.2.1 The *works* to be provided under this contract are:
- (1) A full asset detail defect survey to be carried out for pipes, gullies, kerb drains, manholes, catchpits, inlets, outlets, gullytails, ditches and filter drain within the extents shown in the drawing numbers HE570135-KIER-VGN-A303_MP67.0-SK-CB-0100 01 to 05. The survey shall include:
- The GPS position of the drainage system relative to one another (taken from the topographic survey).
 - How various drainage systems connect with one another.
 - The condition of the drainage system encountered.
 - Where the water discharges.
 - Cover and invert levels.

1.3 Deliverables

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

The findings of the survey shall be recorded in format ".dwg" & ".dxf" in 3D format.

A single plan view drawing of the survey area shall be produced. The drainage details, survey condition, blockage and defects shall be recorded with photo evidences.

2 EXISTING INFORMATION

- 2.1.1 B3092 Underbridge carries the A303 over an unnamed road at marker post 67.0 ('ArcGIS' indicates the Underbridge is located between MP172.3 and MP172.4 instead). The structure is at Ordnance Survey Grid Reference 378138 / 130681.
- 2.1.2 C2 Stats enquiry confirmed that Virgin Media, INSTALCOM and BT ducts running in the verge of the A303 westbound. There are 33kV overhead cables cross the A303 at the proposed crossover locations.
- 2.1.3 There are linear drainage pipeworks with filter drain in the central reserve and verges of A303 carriageway on either end of the bridge. There are also linear drainage pipeworks with filter drain in the central reserve and verges of A303 carriageway at the two proposed crossover points.
- 2.1.4 The current speed limit of the A303 is 70MPH.
- 2.1.5 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-VGN-A303_MP67.0-SK-CB-0100 01	TECHNICAL SURVEY PLAN	C1
HE570135-KIER-VGN-A303_MP67.0-SK-CB-0100 02	TECHNICAL SURVEYS - TRIAL HOLE CROSS SECTIONS	C1
HE570135-KIER-VGN-A303_MP67.0-SK-CB-0100 03	DRAINAGE SURVEY PLAN – BRIDGE LOCATION	C1
HE570135-KIER-VGN-A303_MP67.0-SK-CB-0100 04	DRAINAGE SURVEY PLAN – SOUTH CROSSOVER LOCATION	C1
HE570135-KIER-VGN-A303_MP67.0-SK-CB-0100 05	DRAINAGE SURVEY PLAN – NORTH CROSSOVER LOCATION	C1
AS BUILT 208/21/B5/2	GENERAL ARRANGEMENT	2
AS BUILT 208/21/B5/6	DECK REINFORCEMENT	1

3 CONSTRAINTS ON HOW THE CONTRACTOR PROVIDES THE WORKS

3.1 General

- 3.1.1 The *Contractor* Provides the Works in such manner as to minimise the risk of damage or disturbance to or destruction of third-party property.

- 3.1.2 The *Contractor* complies with the constraints and meets with the requirements outlined in Appendix 1.
- 3.1.3 The *Contractor* submits information detailing how the *Contractor* will provide the Works to the *Employer* prior to the works commencing. This information will include any lifting plans, risk assessments, method statements, the *Contractor's* staff training information and any other relevant Health and Safety requirements.

3.2 Working hours & site-specific constraints

- 3.2.1 The *Contractor's* working hours for site works shall be between the hours of 2200 and 0600. Monday to Friday. The working hours will vary subject to traffic flows and weather conditions and the stated hours include the time for the traffic management to be set out and picked up.
- 3.2.2 All plant and equipment will be removed from site at the end of each shift.

3.3 Health, Safety and Environment & Risk Management

Health and Safety requirements

- 3.3.1 In Providing the Works the *Contractor* meets the requirements of Annex 2 of the supplementary constraints relation to health and safety duties.
- 3.3.2 The *Contractor* 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 is issued as part of the tender package.
- 3.3.4 Before commencing the construction phase of the works, the *Contractor* confirms to the *Employer* that adequate welfare facilities are in place. Where the facilities detailed in section 5 are not deemed adequate, the *Contractor* provides all necessary facilities to Provide the Works and to comply with the minimum requirements set out in HSE guidance document L153.

Environmental requirements

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

Risk Management

- 3.3.6 The *Contractor* identifies, manages and mitigates risks in accordance with the principles of ISO31000.

- 3.3.7 The *Contractor* submits a risk register, which captures all risks associated with the delivery of the *works* including those identified by the *Employer*, with his tender and maintains it for the contract period.

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4 REQUIREMENTS FOR THE PROGRAMME

The *Contractor* submits programme to the *Employer* with his tender.

The *Contractor* Provides the Works 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 *Employer* (see Section 5)
- (iii) Further constraints on the sequence and timing that work that is to be undertaken will be discussed after award.

The programme and be in the form of an activity and time related bar chart produced as a result of a critical path analysis.

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* & *Contractor'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 *Employer* to provide 'services and other things'
- (v) key dates for co-ordination with Others

The *Contractor* updates the programme every week. The *Contractor* submits an updated programme to the *Employer* upon request.

5 SERVICES AND OTHER THINGS PROVIDED BY THE EMPLOYER

The following temporary traffic management will be provided by the *Employer* to allow the *Contractor* 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)

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

- (1) The welfare facilities will be provided by the Principal 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.

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6 SPECIFICATION FOR THE WORKS

Refer to Appendix A

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