

**National Asset Delivery
Technical Surveys and Testing**

**Works Information for 570135
A303 67.0 B3092 Underbridge Dynamic
Cone Penetrometer (DCP) testing**

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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TABLE OF CONTENTS

1	Description of the works	4
1.1	Project objectives	4
1.2	Scope of works	4
1.3	Deliverables.....	4
2	Existing INFORMATION	5
3	Constraints on how the Contractor Provides the Works	6
3.1	General	6
3.2	Working hours & site specific constraints	6
3.3	Health, Safety and Environment & Risk Management.....	6
4	Requirements for the programme	8
5	Services and other things provided by the Employer	9
6	Specification for the works	10

LIST OF ANNEXES**Appendix 1 Supplementary Constraints**

1 DESCRIPTION OF THE WORKS

1.1 Project objectives

1.1.1 The principle objective of this project is to carry out the Dynamic Cone Penetrometer (DCP) testing in accordance with HD29/08 required at the crossover locations given in Section 2 to determine the strength and thickness of the foundation layers.

1.1.2 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:

- To carry out the Dynamic Cone Penetrometer (DCP) testing in accordance with HD29/08 in the central reservation at the base of surface cores (including coring and reinstatement with similar approved material) to determine the strength and thickness of the foundation layers. The locations are provided in Section 2. The testing shall be carried out under the traffic management provided by *Employer*. Survey report issued to Highways England.

1.3 Deliverables

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

- Programme
- RAMS
- DCP test report
- Drawing (test locations and foundation layers thickness)

2 EXISTING INFORMATION

2.1.1 Locations

South Crossover Point between marker post 173/0 to 172/6 on A303.

North Crossover Point between marker post 172/2 to 171/8 on 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-000001	TSTC SURVEY LOCATION PLAN	C1
HE570135-KIER-VGN-A303_MP67.0-SK-CB-000008	TECHNICAL SURVEY PLAN – DCP TESTS AT SOUTH CROSSOVER LOCATION (MP 173/0 - 172/6)	C1
HE570135-KIER-VGN-A303_MP67.0-SK-CB-000009	TECHNICAL SURVEY PLAN – DCP TESTS AT NORTH CROSSOVER LOCATION (MP 172/2 - 171/8)	C1

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 22:00 and 06:00, 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 Contractor to remain within the Highways Boundaries for the duration of the works
- 3.2.3 Traffic Management will be required and will be provided by HE.

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 can be found in 'A303 67 B3092 Underbridge PCI Rev 1.pdf'.
- 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

- 4.1.1 The *Contractor* submits programme to the *Employer* with his tender.
- 4.1.2 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)
- 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* & *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
- 4.1.5 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

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

- (1) Traffic management will comprise of 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 *Employer* are as follows:

- (1) Contractor to provide welfare facilities if they are 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 WORKS

- 6.1.1 The *Contractor* shall undertake the Dynamic Cone Penetrometer (DCP) testing in accordance with HD29/08 required at the crossover locations given in Section 2 to determine the strength and thickness of the foundation layers.
- 6.1.2 Testing shall be carried out in accordance with Section 7 of HD29/08 with further reference to BS EN 22476-2:2005 and UK Specification for Ground Investigation 2nd edition.
- 6.1.3 A subsequent DCP testing report shall be issued to the Highways England Project Manager which will include the above findings, drawings and recommendations.
- 6.1.4 The *Contractor* must provide works under a quality management system which:
- (1) Is Certified to ISO 9001;
 - (2) Incorporates an environmental management system which works to the principles of ISO 14001;
 - (3) Includes requirements for adopting the principles of ISO 44001 (Collaborative Business relationship Management Systems) and complies with good industry practice and encourages innovation during the contract duration.