

National Asset Delivery
Technical Surveys and Testing

Works Information for 570122 id 526
M5 J26 – 27 SB 227 – 229.5 RS
Combined Connectivity and CCTV
Drainage Survey

CONTENTS AMENDMENT SHEET

Amend. No.	Revision No.	Amendments	Initials	Date
0	0	Original version issued with tender	CC	25/05/21

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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 undertake a combined Connectivity and CCTV drainage survey, as per DMRB CS 551, within the site extents identified in drawings HE570122-KIER-VDS-M5_ML_226.4-229.7_A-DR-CH-0501-02

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:

- (1) All asset condition and connectivity survey of all assets within the site area shown in Drawings HE570122-KIER-VDS-M5_ML_226.4-229.7_A-DR-CH-0501-02. This includes drainage assets currently on HA DDMS, thus requiring roundtripping and uploading of final data to the system, and earthwork drainage assets not yet inventoried.
- (2) CCTV survey of all chambers and pipework present within the survey area, with the exclusion of Velhay Farm Culvert at the western end of the site.
- (3) Provide subsequent report in accordance with the specification in section 6

1.3 Deliverables

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

- (1) Combined connectivity and CCTV drainage survey of drainage assets within the extents shown on drawing HE570122-KIER-VDS-M5_ML_226.4-229.7_A-DR-CH-0501-02, as stated above and in accordance with the specification in Section 6.
- (2) Video recording of the survey in accordance with the specification in Section 6
- (3) Drainage report in accordance with the specification in Section 6, i.e. PDF summary report and DXF & PDF versions of CAD drawings are required.

2 EXISTING INFORMATION

- 2.1.1 For information about the site refer to document 526-M5 26 – 27 SB 227 – 229.5 RS Site Information
- 2.1.2 For statutory undertaker's apparatus information refer to provided C2 returns in Pre-Construction Information Pack
- 2.1.3 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
HE570122-KIER-VDS-M5_ML_226.4-229.7_A-DR-CH-0501	Proposed Drainage & Connectivity CCTV Survey Plan Sheet 1 of 2	C1 / 05/21
HE570122-KIER-VDS-M5_ML_226.4-229.7_A-DR-CH-0502	Proposed Drainage & Connectivity CCTV Survey Plan Sheet 2 of 2	C1 / 05/21

- 2.1.4 The following additional information is available.

Drawing Number	Title	Revision / Date
405/205/R/108/1 (As-built drawing)	Birmingham – Exeter Motorway M5 Section Chelston – Willand Chainage 10165 to Chainage 11490 Motorway Plan & Profile	May 1979

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 Access to the site for undertaking works will not be possible without the provision of traffic management (TM) – This will be provided by *the Employer* through the CWF
- 3.2.2 The *Contractor's* working hours for site works are 22:00 hrs to 04:00 hrs and subject to the installation and removal of TM
- 3.2.3 Due to the requirement for (TM) and specialist access, it is envisaged that the works will be restricted to night-time shifts. TM shall not be implemented prior to the hour of 20:00 hrs nor removed later than 06:00 hrs. Late installation / early removal of TM or alteration to the length of closure may occur subject to the recorded on-site traffic flow. It is anticipated that in most cases, TM removal will commence at 04:00 hrs to allow sufficient time for removal
- 3.2.4 TM layout to be lane closures with single lane running and to be in accordance with Traffic Signs Manual (TSM) Chapter 8
- 3.2.5 Survey to be undertaken concurrently with other surveys to minimise traffic management requirements and disruption to public.
- 3.2.6 Any site and task specific lighting shall be directed away from dense vegetation and shall be positioned such that it does not cause a hazard to on-coming road users.

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 in relation to health and safety duties.

- 3.3.2 When implemented, 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.
- 3.3.3 For details of the CDM duty holders, refer to the pre-construction information which can be found here

(1) 526-M5 J26 – 27 SB MP 227-229.5 RS Combined PCI

- 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.

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)
 - (iii) The timing of the works will be subject to the availability of roadspace and traffic management, and the *Contractor* shall liaise with the *Client* to share the traffic management with the contractors involved with the other surveys associated with the scheme.
 - (iv) Survey to be undertaken concurrently with other surveys to minimise traffic management requirements and disruption to public. The programme is to take this into account.
 - (v) Survey results and report to be made available 2 weeks after completion of works on site
- 4.1.3 The programme should 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 should preferably be provided in either a PDF or MS Excel format and cover the full contract period including post site activities. Activities should be clearly defined and named and the programme should detail the following:
- (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
 - (vi) Dates and times associated with the project, including the *starting date*, *completion date* & *Contractor's* planned completion, and any other dates or times that will specifically impact the delivery of the project
 - (vii) Activities associated with delivering the project
- 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 *CWF TM contractor who is Principle Contractor* to Provide the Works:

- (1) Works in the hard shoulder will be undertaken under a hard shoulder & lane 1 closure on the southbound carriageway leading up to and beyond works extent between marker posts 226.4 and 229.7. Works to take place at night.
- (2) Works in the central reserve will be undertaken under a lane 3 closure on both northbound and southbound carriageways leading up to and beyond marker posts 226.4 and 229.7

5.1.2 Principal contractor will provide welfare facilities

6 SPECIFICATION FOR THE WORKS

- 6.1.1 The *Contractor* shall undertake the drainage survey works in accordance with CS 551 and CD 535. For optional requirements described in CS 551 Appendix A, the default options shall apply, except for Reporting (A3) where a PDF summary report and CAD drawings in DXF and PDF format are required. These shall be first provided in draft for review, before being issued as final.

For Information Only
Do not complete at this stage