

**National Asset Delivery
Technical Surveys and Testing**

**Works Information for
570124 M4 EB J16 On-slip CCTV &
Jetting Survey**

CONTENTS AMENDMENT SHEET

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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 full drainage survey of all drainage assets, conducted to CS 551 & CD 535 Drainage survey and asset data and risk management standards.
- 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 undertake a full drainage survey of all drainage assets, and additional assets as specified, conducted to CS 551 & CD 535 Drainage survey & asset data and risk management standards.

Full drainage survey on the M4 eastbound motorway nearside verge and M4 eastbound on-slip between MP132.2 and MP132.8 to confirm existence and condition of all drainage assets.

Traffic Management: Lane closures & on-slip closure as required for safe working.



Fig 1.0 – Site Extents and location plan

1.3 Deliverables

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

- (1) Full drainage survey of all highway drainage assets, within scheme extents, conducted to CS 551 & CD 535 Drainage survey and asset data and risk management standards.

1.3.2 The *Contractor* shall undertake the works in accordance with:

DMRB standards CS 551 – Drainage Surveys, and CD 535 – Drainage asset data and risk management.

1.3.3 Outputs to be as per section 7 of CS 551 – Pipework and chambers defect survey by CCTV.

1.3.4 Data submission to be as per CS 551; Section 7.54 inclusive of all requirements within subsections 1 to 5.



Fig 1.1 -HE drainage assets (highlighted in purple)

2 EXISTING INFORMATION

2.1.1 Existing structures

| Structure | Type | Location Ref | Str key | OSGR |
|---------------------------------|--------------------------|--------------|---------|---------------|
| Spittleborough Interchange East | Grade Separated Junction | M4 MP132.8 | 1111 | 4103111829222 |

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 | Valid until |
|---------------------------|----------------------------|-------------|
| 20210819-TOPO1250_M4-0486 | Statutory Undertakers Plan | 19/08/2021 |

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 night-time working hours between 2000hrs & 0500hrs.
- 3.2.2 The road network throughout this stretch is of motorway status and subject to the national speed limit of 70mph. Employer to provide suitable Traffic Management and road space booking.

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 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 supplied as part of these TST documents.
- 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.

FOR INFORMATION ONLY

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 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:
- the *starting date*, *completion date* & *Contractor's* planned completion
 - for each activity, the proposed resources (plant & labour) expected to deliver each activity should be shown on the programme
 - review periods for any reporting requirements
 - key dates for the Employer to provide 'services and other things'
 - 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*

In the majority of cases, the *Employer* will provide temporary TM. In cases where no TM is provided state 'The *Employer* does not provide anything'.

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

- (1) TM details to be confirmed, however it is anticipated that a minimum of lane closures and slip-road closures are required. Dates, extents, timings and duration to be confirmed between employer and contractor.

If anything else is to be provided by the Employer state below or insert 'Not used' against 5.1.2:

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

- (1) Welfare facilities will be provided by the principal contractor.

6 SPECIFICATION FOR THE WORKS

6.1.1 The *Contractor* shall undertake the works in accordance with: PAS128. A Detailed Defect Survey adhering to IAN174 is required for all drainage assets within the scheme extents as defined in section 1 - Description of Works. Survey will be undertaken on the M4 eastbound motorway nearside verge and M4 eastbound on-slip between MP132.2 and MP132.8. Drainage primarily consists of gravity drains and drainage ditch adjacent to east bound carriageway between MP132.2 and MP132.8.

6.1.2 The *Contractor* must provide the *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 BS 11000 and
- (4) Complies with good industry practice and encourages innovation during the contract duration.