

**National Asset Delivery
Technical Surveys and Testing**

**Scope for
609248-P-02
AD14 Deflectograph Surveys 2021**

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CONTENTS AMENDMENT SHEET

Amend. No.	Revision No.	Amendments	Initials	Date
0	0	Original version issued with tender	LPM	02/06/20 21

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LIST OF ANNEXES

Appendix 1 **Supplementary Constraints**

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1 PURPOSE OF THE SERVICES

1.1 Project objectives

- 1.1.1 The principle objective of this project is to carry out Deflectograph surveys, in accordance with the DMRB Standard CS 229, at multiple locations as identified in the Site Information, to help determine the structural integrity of the pavement.
- 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) Carry out Deflectograph surveys at the locations identified in the Site Information.
 - 2) TM to be provided by the Client.

1.3 Deliverables

- 1.3.1 The *Consultant* is required to produce the following deliverables:
- 1) The *Consultant* is required to provide the Deflectograph data in accordance with CS 229 in a format compatible with HAPMS.

2 EXISTING INFORMATION

2.1.1 Extents of the schemes are identified in the Site Information.

2.1.2 The Drawings listed below cover extents and HAPMS chart sections covering the survey areas between junctions referenced in the site information. 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
	WA 1_A1(M) J49 Dishforth to J51 Leeming	
	WA 2 & 3_A1(M) J56 barton to J65 Birtley & Circulatorys J58, J59, J60, J61	
	WA4 Seaton to Warreners	

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* shall deliver his work in the most efficient manner. There is no restriction on the number of gangs/resources he proposes to use to provide the Works, so long as his proposed method of working is safe to do so. The Consultant shall provide details of his proposed method of working and number of resources in his tender.
- 3.2.2 The Consultant's working hours for site works shall be Monday – Friday 21:00 to 05:00 hrs for night time works. The working window will be subject to the installation and removal of TM and this may constrain the Consultant's shift length. No minimum working window is guaranteed. (See 3.2.4. for road space).
- 3.2.3 The Client will provide the traffic management.
- 3.2.4 The dates for availability of road space at each location are;

Site 1 A1(M)	Jct 65-56 SB – 01/07/21 to 09/07/21
	Jct 56-65 NB – 09/07/21 to 16/07/21
	Jct 49-51 NB – 19/07/21 to 21/07/21
	Jct 51-49 SB – 21/07/21 to 22/07/21
Site 3 A1(M) r'bits	23/07/21
Site 4 Morpeth	26/07/21 – 27/07/21

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 When implemented, 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 Not used.
- 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.

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)
 - (iii) Results to be issued within 2 weeks of completing site activities or as agreed with the Highways England Project Manager.
- 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) dates and times associated with the project, including the *starting date*, *completion date* & *Consultant's* planned completion, and any other dates or times that will specifically impact the delivery of the project
 - (ii) activities associated with delivering the project
 - (iii) To provide updates and feedback on traffic management requirements if different to set up identified at tender.
- 4.1.5 The *Consultant* should provide details of the proposed resources (plant, labour, subcontractors etc.) expected to deliver each activity. This information can either be shown on the programme itself or provided in an associated resource statement included in the Proposal for Providing the Services.
- 4.1.6 The *Consultant* updates the programme as agreed with the Highways England Project Manager. 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 shall be provided by the Highways England M&R contractor CHC.
- (2) The duration of works is shifts as per the dates below

The dates for availability of road space at each location are;

Site 1 A1(M)	Jct 65-56 SB – 01/07/21 to 09/07/21
	Jct 56-65 NB – 09/07/21 to 16/07/21
	Jct 49-51 NB – 19/07/21 to 21/07/21
	Jct 51-49 SB – 21/07/21 to 22/07/21

Site 3 A1(M) r/bts 23/07/21

Site 4 Morpeth 26/07/21 – 27/07/21

- (3) The traffic management shall be mobile lane closures of the A1(M) mainline, and static lane closures of the circulatory carriageways.
- (4) Opportunity for traffic management sharing with scheme delivery, maintenance activity shall be explored and utilised where appropriate.

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

- (1) Welfare facilities shall not be provided by the Client. The contractor should make use of the motorway rest facilities along the route.

6 SPECIFICATION FOR THE SERVICES

- 6.1.1 The *Consultant* shall Provide the Services in accordance with the DMRB Standard CS 229, Section 3.

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