

**National Asset Delivery
Technical Surveys and Testing**

**Scope for
605746-008-009-010**

**A11 Southbound A505 Babraham to
M11 J 9a Resurfacing**

**A11 Southbound Six Mile Bottom to
Great Wilbraham Resurfacing**

**A11 Southbound Great Wilbraham to
Balsham Resurfacing**

Deflectograph Survey

CONTENTS AMENDMENT SHEET

Amend. No.	Revision No.	Amendments	Initials	Date
0	0	Original version issued with tender	JK	27/11/2020

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1 DESCRIPTION OF THE SERVICES

1.1 Project objectives

1.1.1 The principle objective of this project is to carry out pavement investigations at A11 Southbound between Six Mile Bottom and M11 Junction 9a.

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:

All site *services* to be undertaken in accordance with the requirements set out in DMRB CS 229 (previously HD 29/08). Carry out Deflectograph (DFG) survey (survey category 2/1B) in lane 1 and 2.

1.3 Deliverables

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

- (1) All reporting to be in accordance with the requirements set out in DMRB CS 229 and Highways England network referencing and nominated directions.
- (2) Provide DFG data in .bcd files to be vetted using Highways England pre-processor software or loaded into HAPMS.
- (3) All results to be supplied in electronic format and in accordance with DMRB CS 229 and Highways England network referencing and nominated directions.

2 EXISTING INFORMATION

2.1.1 Schedule of DFG locations and lengths is provided in Appendix 3.

2.1.2 The Drawings relevant to this contract are supplied in the appendices to this Scope Information. Refer to the site information for details of existing site conditions including ground conditions, limitation on access, position of existing structures etc.

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* working hours for site Services shall be 8.00pm to 6.00am, Monday to Friday (starting from Monday night at 8.00pm and ending on Saturday morning at 6.00am). Start and completion dates for all works in this scheme are anticipated to be between 22nd February 2021 to 12th March 2021.
- 3.2.2 All work on main carriageway and associated slip roads and lay-bys
- 3.2.3 Traffic management (TM) to be provided by Construction Works Framework (CWF).

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 in 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 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, (PCI) which is included in the tender documents, Construction Phase Plan (CPP) & other PCI to be provided upon successful tender.

- 3.3.4 A report must be submitted to the Client within 24 hours if there are any surveys omitted.
- 3.3.5 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

- 3.3.6 In Providing the Services the *Consultant* meets the requirements of Annex 2 of the supplementary constraints in relation to environmental duties.

Risk Management

- 3.3.7 The *Consultant* identifies, manages and mitigates risks in accordance with the principles of ISO31000.
- 3.3.8 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 *services*, 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 work 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 TM requirements if different to set up identified at tender.

4.1.5 The *Consultant* updates the programme every 3 days or 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 *Services*:

- (1) CWF to provide TM
- (2) Duration: 5 shifts
 - Shift 1-3 Lane 1 closure
 - Shift 4-5 Lane 2 closure

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

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

6 SPECIFICATION FOR THE SERVICES

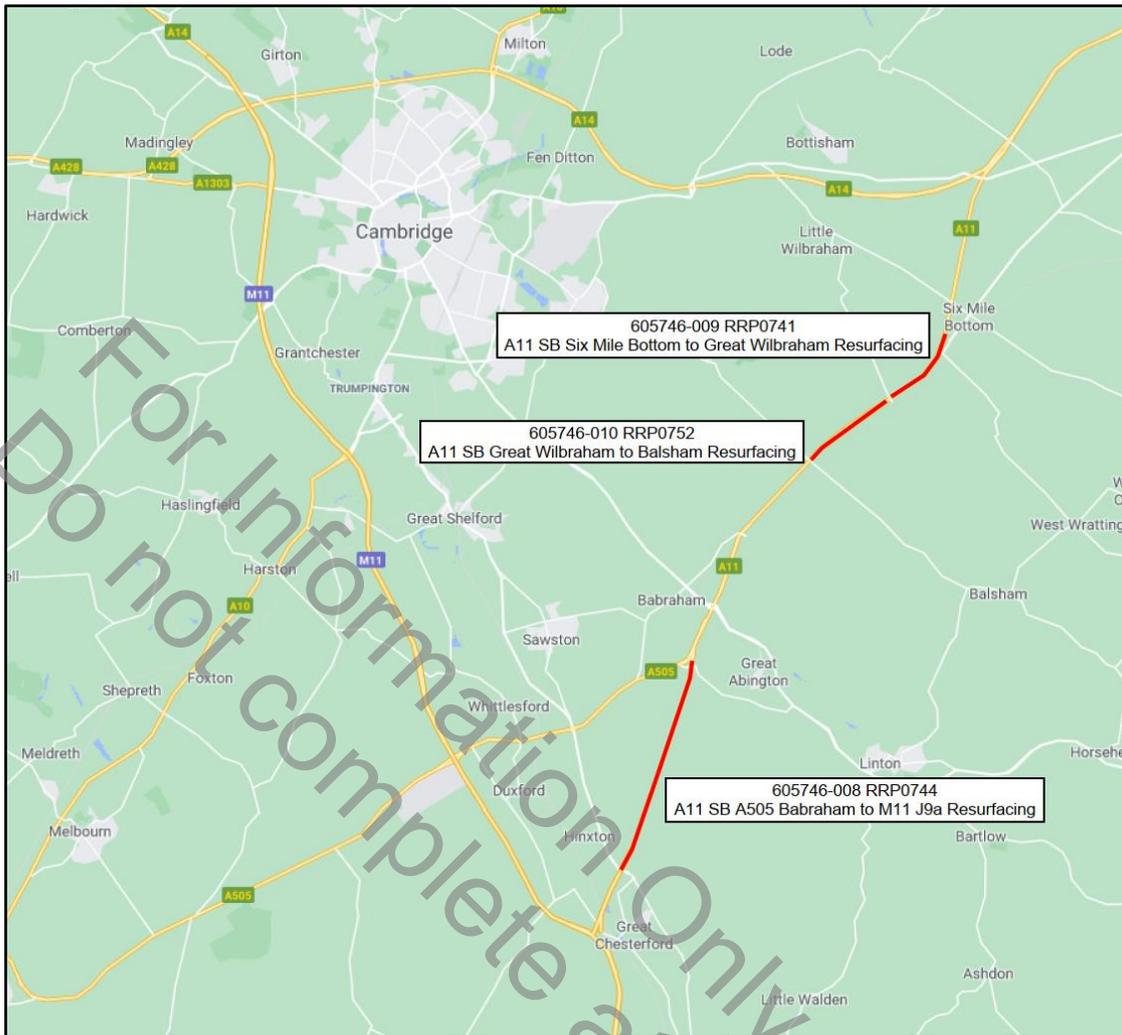
6.1.1 The *Consultant* shall undertake the *Services* in accordance with:

6.1.2 DMRB CS 229

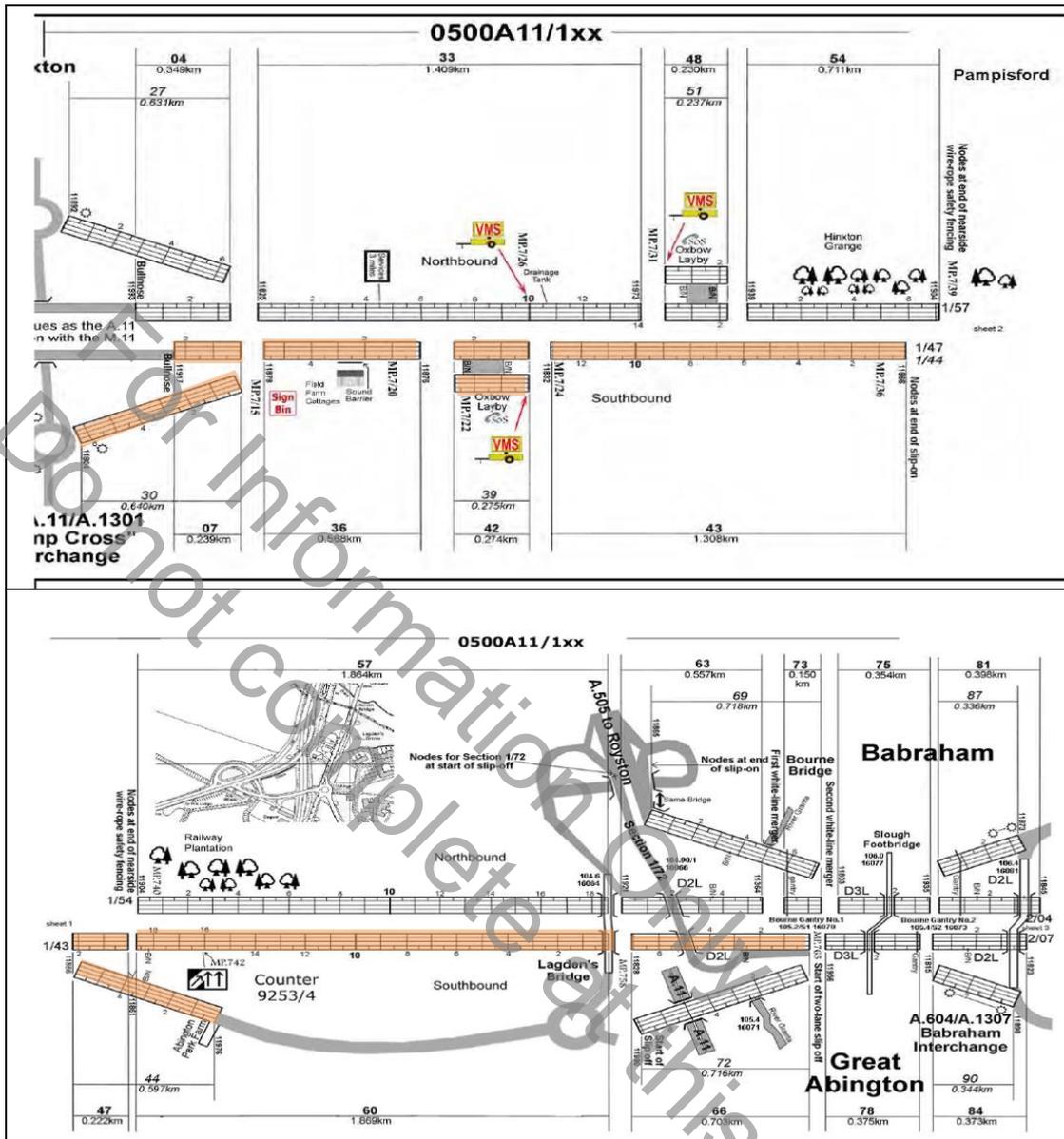
Appendix 1 – Supplementary constraints

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Appendix 2 – Location Plans and SERVICES extents



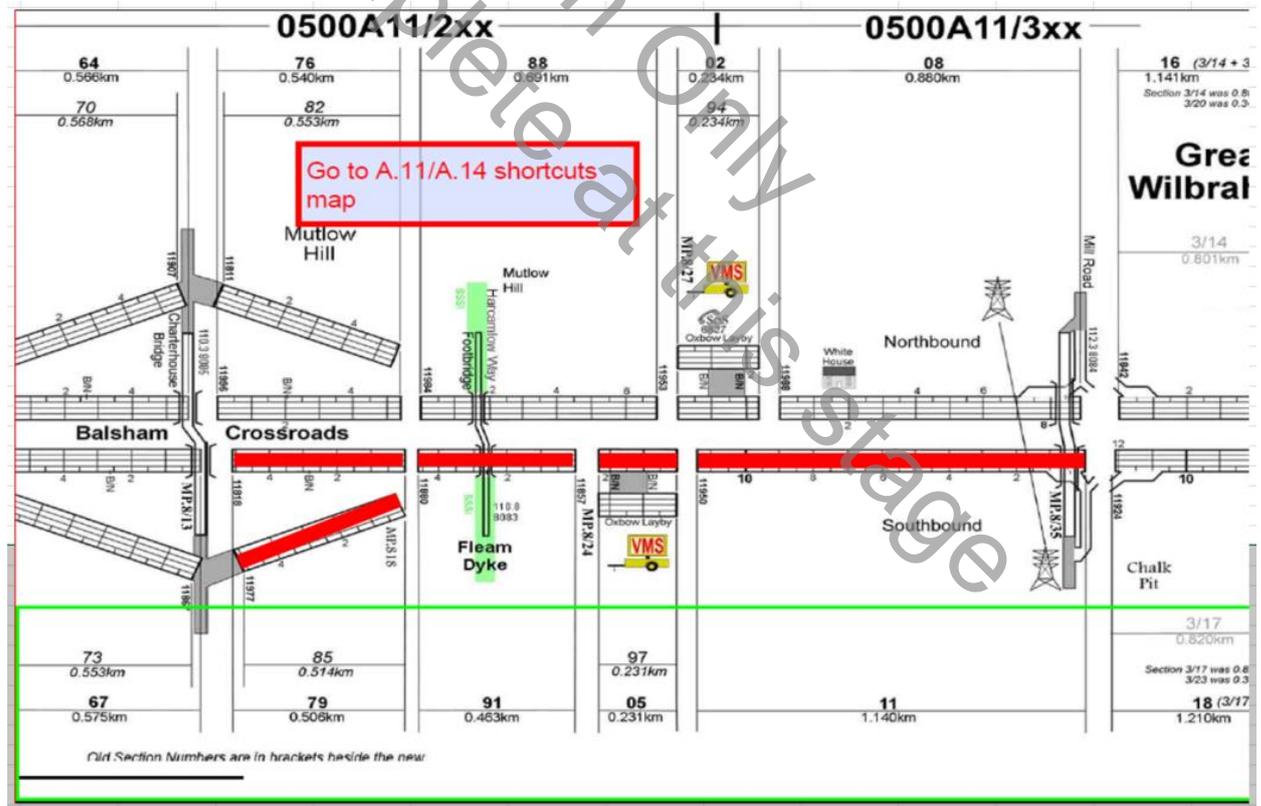
605746-008 RRP0744 A11 Southbound A505 Babraham to M11 J 9a Resurfacing



605746-009 RRP0741 A11 Southbound Six Mile Bottom to Great Wilbraham Resurfacing



605746-010 RRP0752 A11 Southbound Great Wilbraham to Balsham Resurfacing



Appendix 3 – DFG Survey Schedules

605746-008 RRP0744 A11 Southbound A505 Babraham to M11 9a Resurfacing

DFG Survey	Section	Length	DCW Lanes	Slip rd Lanes	LM
	0500A11/166	703	L1+L2		1406
	0500A11/160	1869	L1+L2		3738
	0500A11/144	597		L1	597
	0500A11/147	222	L1+L2		444
	0500A11/143	1308	L1+L2		2616
	0500A11/142	274	L1+L2		548
	0500A11/156	568	L1+L2		1136
	0500A11/107	239	L1+L2		478
	0500A11/130	640		L1	640
					11603

605746-009 RRP0741 A11 Southbound Six Mile Bottom to Great Wilbraham Resurfacing

DFG Survey	Section	Lane Length	DCW L1/L2	Slip Road Lanes	LM
	0500A11/318	1210	L1/L2	-	2420

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DFG Survey	Section	Lane Length	DCW L1/L2	Slip Road Lanes	LM
	0500A11/311	1140	L1 and L2	N/A	2280
	0500A11/205	231	L1 and L2	N/A	462
	0500A11/291	463	L1 and L2	N/A	926
	0500A11/279	508	L1 and L2	N/A	1016
	0500A11/285	514	N/A	L1 and L2	1028
				Total	5712