

**National Asset Delivery  
Technical Surveys and Testing**

**Scope for**

**605746-008 A11 SB A505 Babraham- M11J9a rsf  
605746-009 A11 SB 6m Bottom – Gt Wilbraham rsf  
605746-010 A11 SB Gt Wilbraham – Balsham rsf**

**Deflectograph Pavement Survey**

**CONTENTS AMENDMENT SHEET**

<b>Amend. No.</b>	<b>Revision No.</b>	<b>Amendments</b>	<b>Initial s</b>	<b>Date</b>
<b>0</b>	<b>0</b>	<b>Original version issued with tender</b>	<b>SH</b>	<b>27/08/20</b>

**TABLE OF CONTENTS**

**1 DESCRIPTION OF THE SERVICES ..... 4**

**2 EXISTING INFORMATION ..... Error! Bookmark not defined.**

**3 CONSTRAINTS ON HOW THE CONSULTANT PROVIDES THE SERVICES .. 6**

**4 REQUIREMENTS FOR THE PROGRAMME ..... 8**

**5 SERVICES AND OTHER THINGS PROVIDED BY THE CLIENT ..... 9**

**6 SPECIFICATION FOR THE SERVICES ..... 10**

**LIST OF ANNEXES**

- Appendix 1 Supplementary Constraints**
- Appendix 2 Location Plans and SERVICES extents**
- Appendix 3 Survey Schedules**

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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 SB between Six Mile Bottom and Balsham.

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 1A/1B) in lane 1 and 2. Note DFG survey season runs from March to 15th June and 16th Sept to end of Nov as per locations shown on the investigation plans supplied by Highways England.

### **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
- (2) Produce DFG deflection plots + driver notes and calibration data.
- (3) Supply DFG data in a format suitable to upload to HAPMS.
- (4) Provide a brief report on the results, with interpretation.
- (5) All results to be supplied in electronic format and in accordance with DMRB CS 229

## **2 EXISTING INFORMATION**

2.1.1 Schedule DFG locations and lengths.

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.

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### **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 pm to 6 am. Monday to Friday. Anticipated dates on site are from 02/11/20 to 11/12/20 (dates to be confirmed upon award, please use this dates within your tender submission).

3.2.2 All work on main carriageway and associated slip roads and lay-bys

3.2.3 TM to be provided by 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, which is attached, CPP & other PCI to be provided upon successful tender.

- 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 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 soon as reasonably practicable.
- 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. 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:

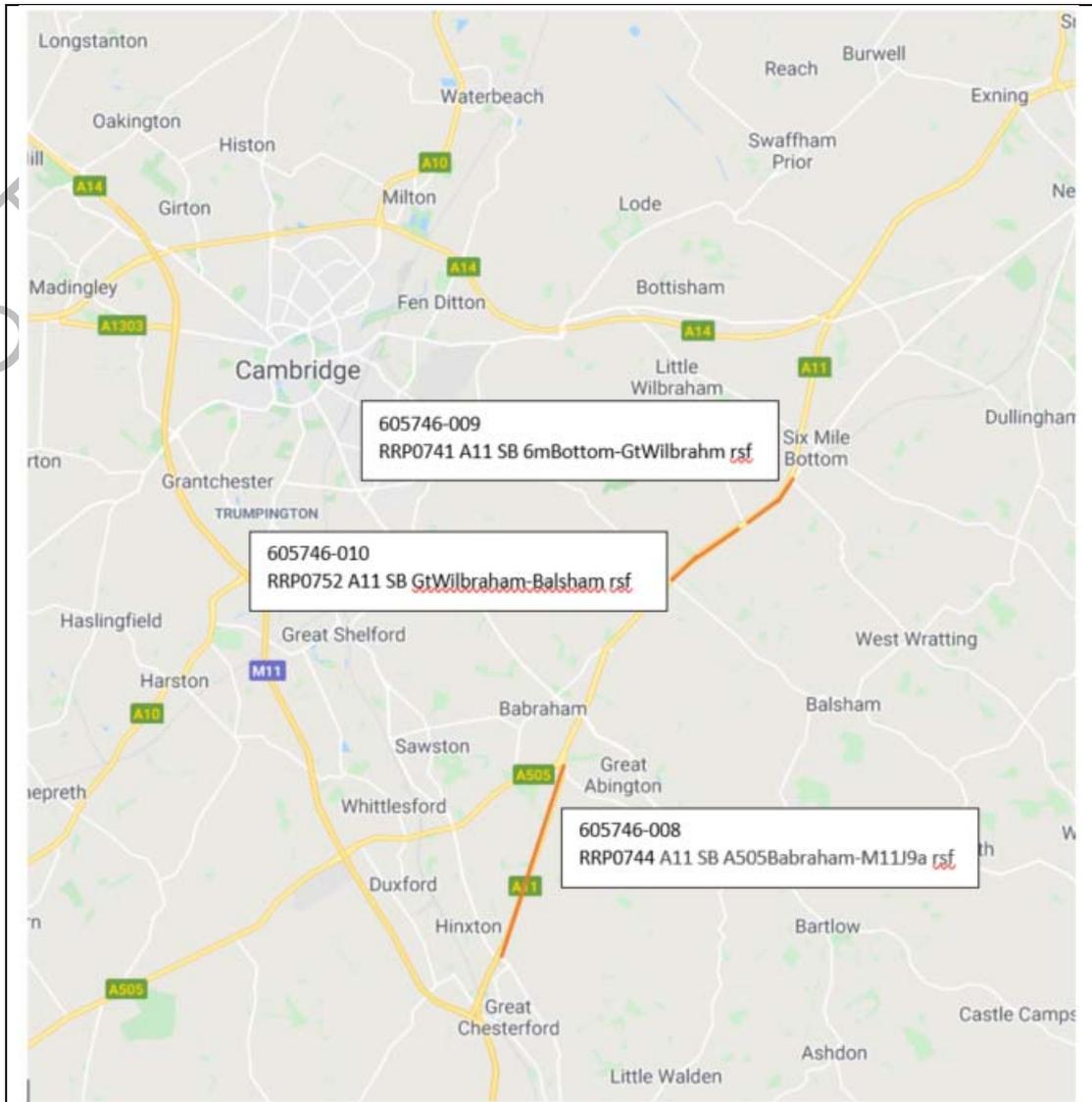
6.1.2 DMRB CS 229

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**Appendix 1 – Supplementary constraints**

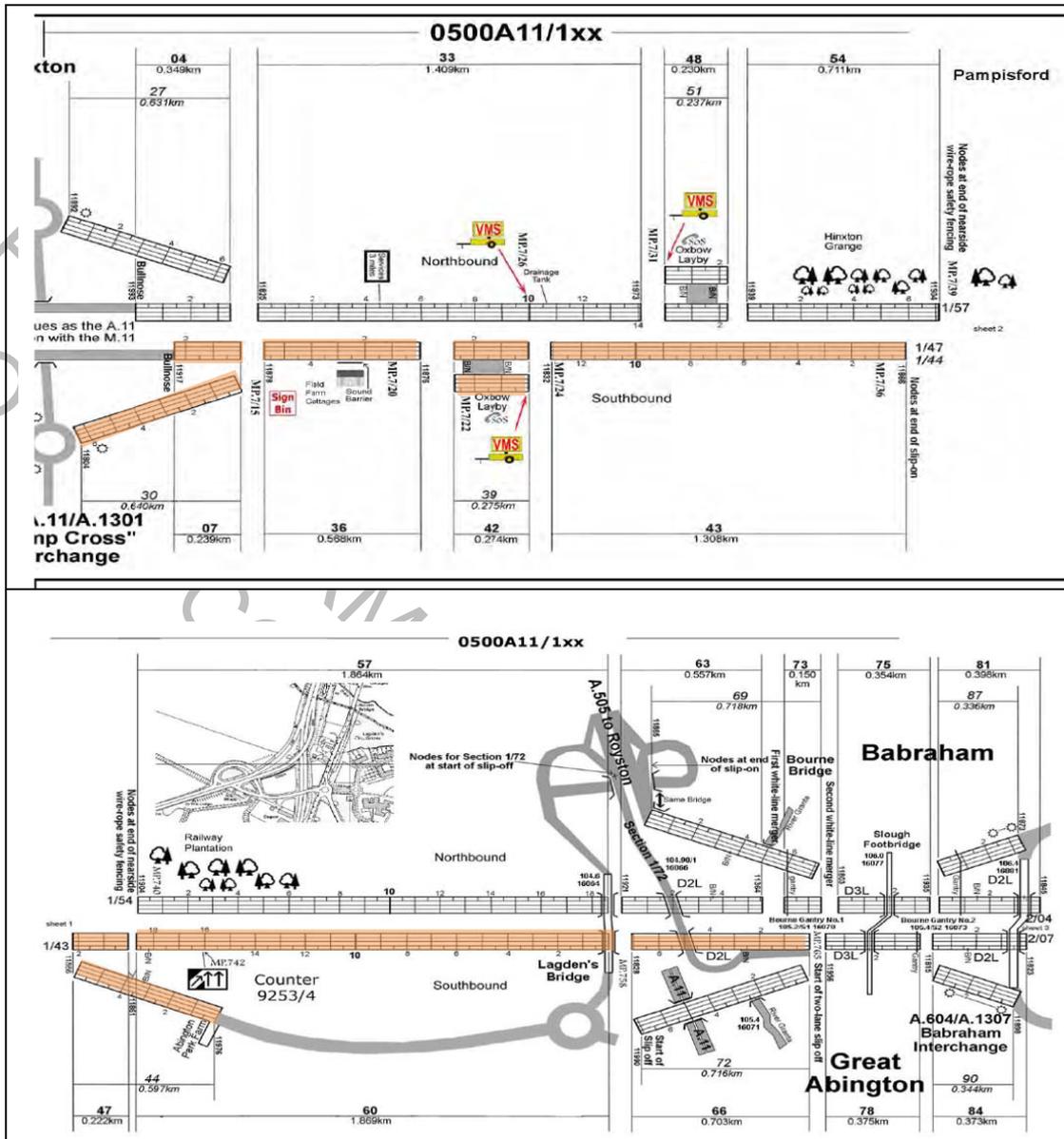
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**Appendix 2 – Location Plans and SERVICES extents**

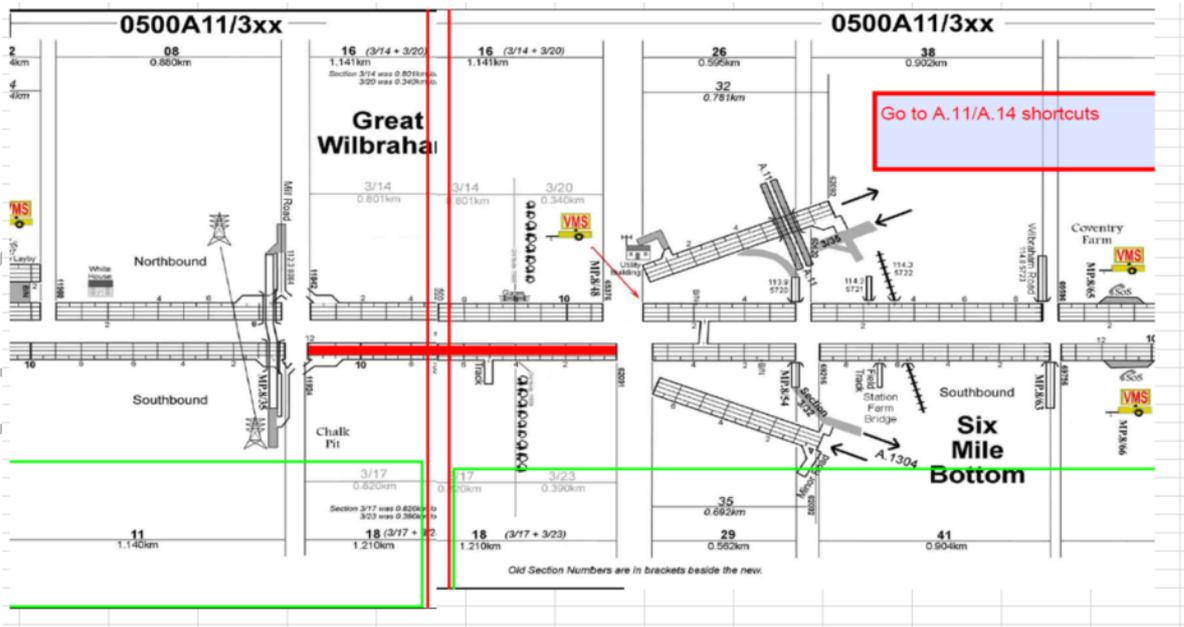


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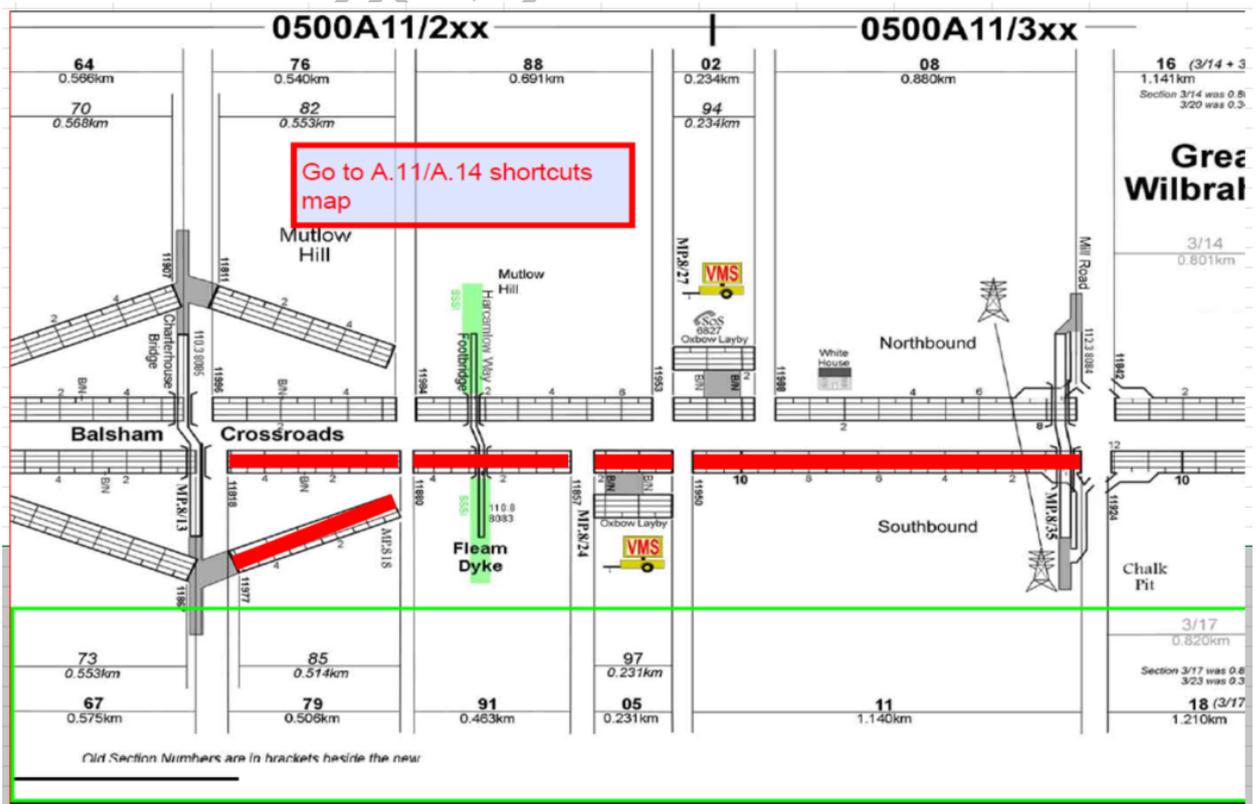
605746-008 RRP0744 A11 SB A505 Babraham-M11J9a



605746-009 RRP0741 A11 SB 6M Bottom – Gt Wilbraham



605746-010 RRP0752 A11 SB Gt Wilbraham Balsham



## Appendix 3 – DFG Survey Schedules

**605746-008 RRP0744 A11 SB A505 Babraham-M11J9a**

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
	0500A11/136	568	L1+L2		1136
	0500A11/107	239	L1+L2		478
	0500A11/130	640		L1	640
					<b>11603</b>

**605746-009 RRP0741 A11 SB 6M Bottom – Gt Wilbraham**

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

**605746-010 RRP0752 A11 SB Gt Wilbraham Balsham**

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
				<b>Total</b>	<b>5712</b>