

National Asset Delivery
Technical Surveys and Testing

605746-001 RRP0702 A1 B661 Buckden
Rbt resurf

Works Information

CONTENTS AMENDMENT SHEET

Amend. No.	Revision No.	Amendments	Initials	Date
0	0	Original version issued with tender	RS	30/03/20

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1 DESCRIPTION OF THE WORKS

1.1 Project objectives

1.1.1 The principle objective of this project is to carry out pavement investigations at A1 B661 Buckden Rbt

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:

- All site works to be undertaken in accordance with the requirements set out in CS 229 (previously HD 29/08). Carry out coring in lane 1 and 2 (up to 12 cores/DCP per night), as per locations shown on the investigation plans supplied by Highways England (Appendix 3). Cores to be 150mm diameter to full depth of bound layer with site photos taken of the extracted core and core hole. Carry out DCP testing in core holes as indicated on the investigation plans supplied by Highways England, where safe to do so.

1.3 Deliverables

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

- (1) All reporting to be in accordance with the requirements set out in CS 229.
- (2) Produce a core log for each core.
- (3) Produce a DCP plot and layer table for each DCP test.
- (4) Provide a brief report on the results, with interpretation.
- (5) All results to be supplied in electronic format and in accordance with CS 229.

2 EXISTING INFORMATION

2.1.1 A Schedule of Core and DCP locations is provided in Appendix 4.

2.1.2 The drawings associated with these works can be seen in Appendix 2 and 3. 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 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 8pm to 6am Monday to Saturday.

3.2.2 All work on roundabout.

3.2.3 TM to be provided by Highways England via the CWF.

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 employees, and any subcontractors 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, Construction Phase Plan & other Pre Construction Information to be provided upon successful tender.

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.

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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) Results to be issued within 2 weeks of completing site work or as soon as reasonably practicable if it is not to be provided within 2 weeks, by agreement with the *Employer*.
- 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* & *Contractor'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 *Contractor* updates the programme upon request or where there is likely to be a deviation from that already submitted. 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 *employer* to allow the *Contractor* to Provide the Works:

- (1) CWF to provide TM
- (2) Duration: 2 shifts (expectation of up to 8 cores per shift)
- (3) Shift 1: total closure of roundabout
Shift 2: Inner ring closure and/or roundabout closure

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, who will likely be the TM contractor (to be confirmed).

6 SPECIFICATION FOR THE WORKS

1.1.1 The *Contractor* shall undertake the works in accordance with National AD Technical Surveys & Testing contract documentation as well as the additional requirements:

1.1.2 Coring Surveys in accordance with DMRB CS 229.

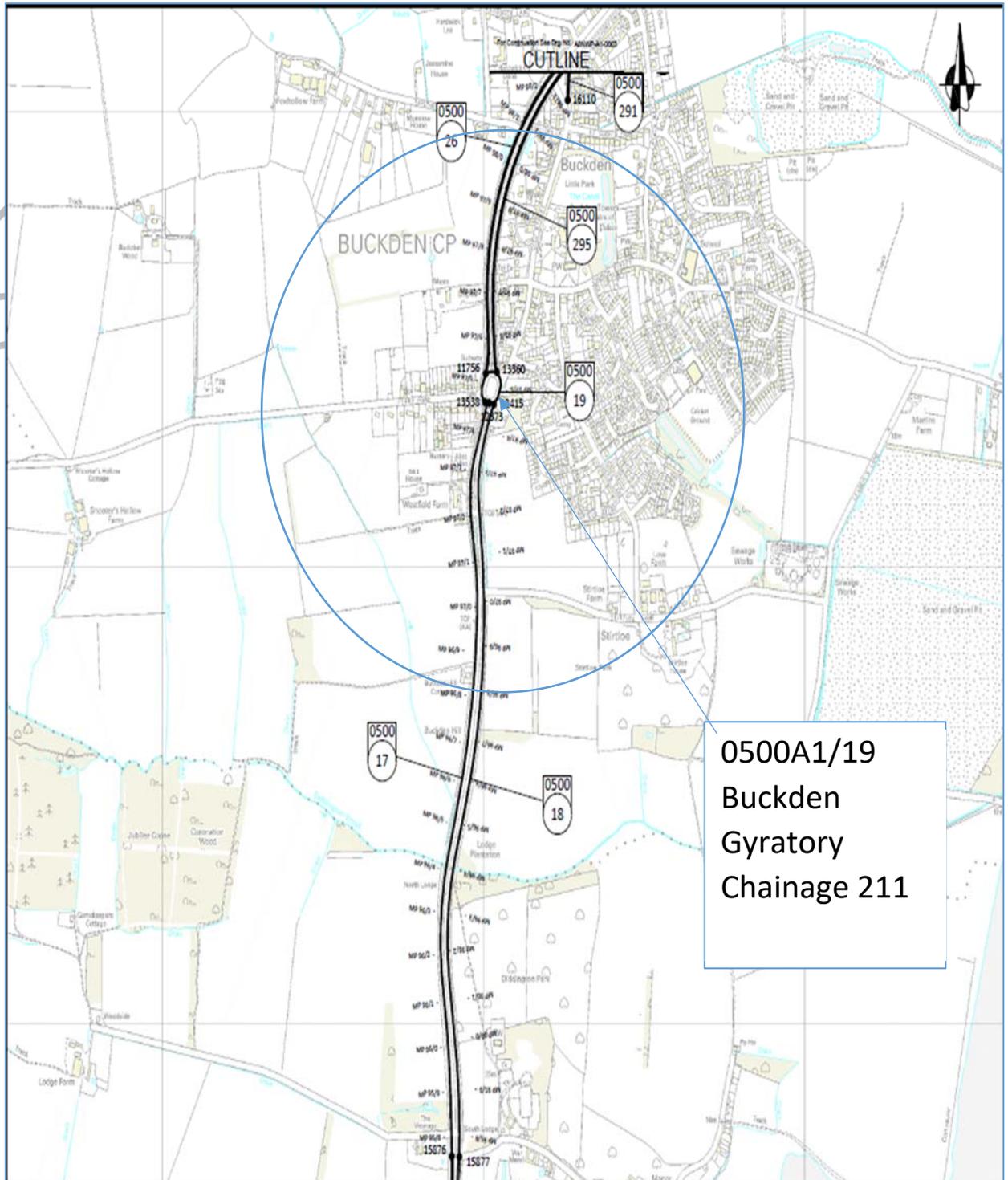
1.1.3 Dynamic Cone penetrometer in accordance with DMRB CS 229

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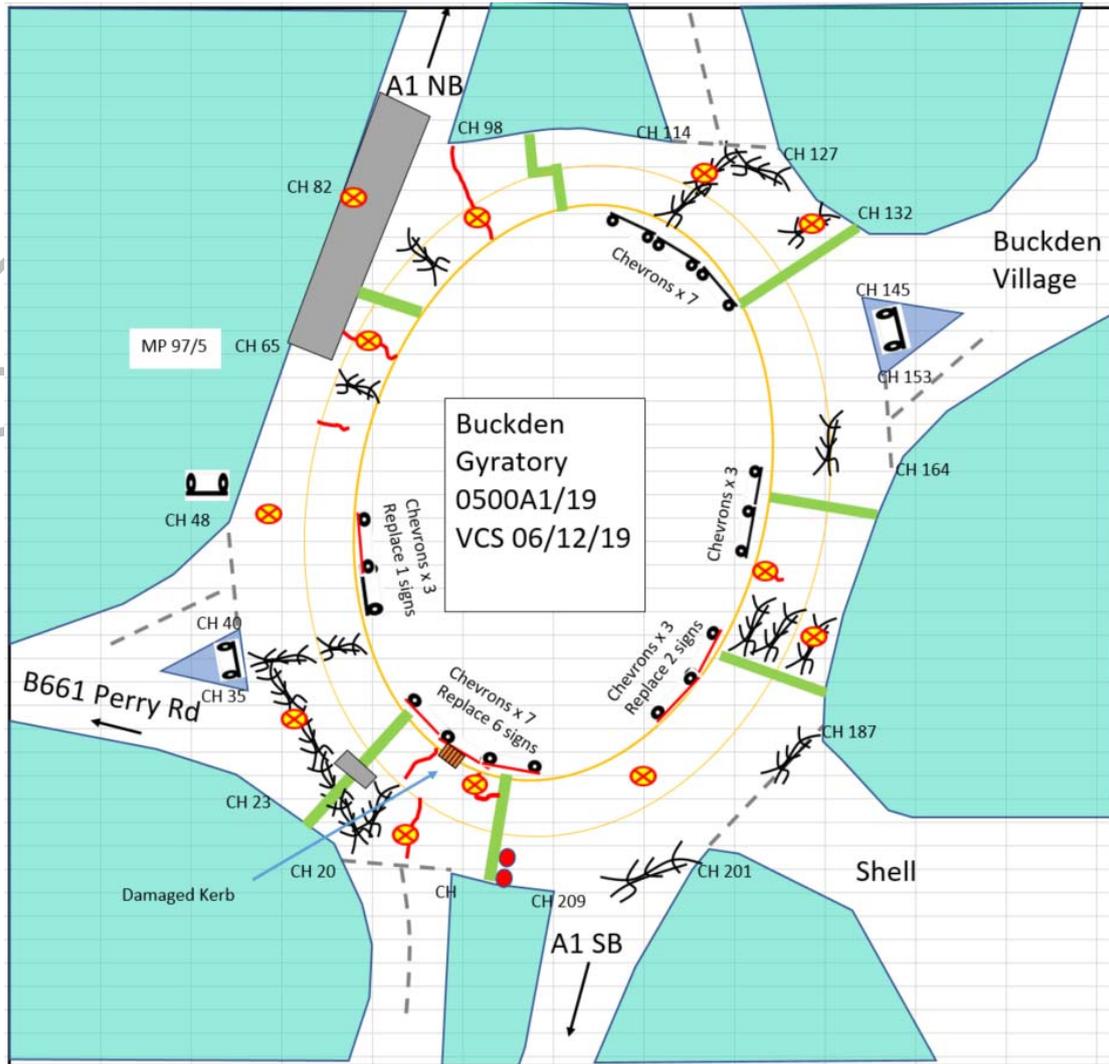
Appendix 1 - Supplementary constraints – see separate document.

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Appendix 2 – Location Plan



Appendix 3 – Testing Plan



Cores 

Appendix 4 - Core and DCP Schedule

Survey Schedule										
Scheme Name	:	A1 B661BuckdenRbt resurf								
PIN	:	RRP0702								
Scheme Length (m)	:	422								
Scheme Year	:	RIS 2 Y1								
HAPMS Section Ref	:	0500A1/19								
Pavement Investigations										
Survey Type	Chart Section Ref	Start Ch	End Ch	CROSS SECTION	OSWT	NSWT	Centre	DCP	Other	Comments
Cores/DCP	0500A1/19	4	4	CL2			✓	✓		Transverse crack
	0500A1/19	8	8	CL1			✓	✓		Transverse crack
	0500A1/19	30	30	CL1			✓	✓		Localised cracking
	0500A1/19	48	48	CL1			✓	✓		Construction core
	0500A1/19	68	68	CL2			✓	✓		Transverse crack
	0500A1/19	82	82	CL1		✓		✓		Patch
	0500A1/19	98	98	CL2			✓	✓		Transverse crack
	0500A1/19	121	121	CL1			✓	✓		Localised cracking
	0500A1/19	132	132	CL1		✓		✓		Localised cracking
	0500A1/19	175	175	CL1		✓		✓		Transverse crack
	0500A1/19	184	184	CL1				✓	✓	On patch
	0500A1/19	201	201	CL2				✓	✓	Construction core
	DFG Survey	N/A								
FWD Survey	N/A									
GPR Survey	N/A									
Any other surveys	N/A									
Any additional comments:										