

National Asset Delivery
Technical Surveys and Testing

Scope for M20 J8-9 Visual Condition
Survey

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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 carry out a Visual Condition survey of the M20 between Junctions 8 and 9. The work will support scheme development.

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 a Visual Condition Survey in accordance with CS 229 (and subsequently HD 29/08). Survey should include collection of data, analysis and production of defect plan / strip map in a standard format.
- (2) Survey should be vehicle-based unless otherwise discussed and agreed with the Client. Survey should be in both directions and cover all lanes. Footways are excluded from the survey scope.
- (3) The location of the survey is the M20 between Junctions 8 and 9 in both directions (total carriageway length of approximately 40km). Scheme extent is provided in accompanying site information.

1.3 Deliverables

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

- (1) Start up meeting within 1 week of commencement to agree deliverables & timeframes.
- (2) Results of Visual Condition Survey provided in excel and DGN format in accordance with CS229, with supporting photographs of defects and general carriageway condition.

2 EXISTING INFORMATION

2.1.1 Full site extent is given in the table below. All sections are main carriageway, on the Area 4 network, and mainly concrete construction.

	START OS	END OS	SECTION	SECTION LENGTH (M)	LANES	DESCRIPTION
WB	(600006, 144614)	(583020, 154443)	2200M20/417	720	4	END A20 A LANE/FLEX/CON TRANS TO SANDYHURST LN BRIDGE OVER
			2200M20/421	1667	4	SANDYHURST LN BRIDGE OVER TO STATION ROAD BRIDGE UNDER
			2200M20/427	1957	4	STATION ROAD BRIDGE UNDER TO A20 MAIDSTONE RD BRIDGE OVER
			2200M20/429	1195	4	A20 MAIDSTONE RD BRIDGE OVER TO HURSTFORD LANE BRIDGE OVER
			2200M20/433	1197	4	HURSTFORD LANE BRIDGE OVER TO PLUCKLEY ROAD BRIDGE OVER
			2200M20/435	1111	4	PLUCKLEY ROAD BRIDGE OVER TO NEWLANDS ROAD BRIDGE OVER
			2200M20/439	1550	4	NEWLANDS ROAD BRIDGE OVER TO CHARING HEATH RD BRIDGE OVER
			2200M20/441	1593	4	CHARING HEATH RD BRIDGE OVER TO BULL HILL BRIDGE OVER
			2200M20/445	774	4	BULL HILL BRIDGE OVER TO BOWLEY LANE BRIDGE OVER
			2200M20/447	1263	4	BOWLEY LANE BRIDGE OVER TO BOUGHTON ROAD BRIDGE OVER
			2200M20/451	963	4	BOUGHTON ROAD BRIDGE OVER TO HEADCORN ROAD BRIDGE OVER
			2200M20/453	1037	4	HEADCORN ROAD BRIDGE OVER TO RUNHAM LANE BRIDGE OVER
			2200M20/457	1187	4	RUNHAM LANE BRIDGE OVER TO FAIRBOURNE LANE BRIDGE OVER
			2200M20/459	1428	4	FAIRBOURNE LANE BRIDGE OVER TO SUBWAY OFF CHEGWORTH LANE
			2200M20/463	696	4	SUBWAY OFF CHEGWORTH LANE TO A20 ASHFORD RD BRIDGE UNDER
			2200M20/467	1895	4	A20 ASHFORD RD BRIDGE UNDER TO CON/FLEX TRANS, HOLLINGBOURNE
EB	583020, 154443	600148, 144499	2200M20/470	1920	4	FLEX/CON TRANS HOLLINGBOURNE TO A20 ASHFORD RD BRIDGE UNDER
			2200M20/464	668	4	A20 ASHFORD RD BRIDGE UNDER TO SUBWAY OFF CHEGWORTH

			2200M20/460	1432	4	SUBWAY OFF CHEGWORTH LANE TO FAIRBOURNE LANE BRIDGE OVER
			2200M20/458	1201	4	FAIRBOURNE LANE BRIDGE OVER TO RUNHAM LANE BRIDGE OVER
			2200M20/454	1025	4	RUNHAM LANE BRIDGE OVER TO HEADCORN ROAD BRIDGE OVER
			2200M20/452	945	4	HEADCORN ROAD BRIDGE OVER TO BOUGHTON ROAD BRIDGE OVER
			2200M20/448	1284	4	BOUGHTON ROAD BRIDGE OVER TO BOWLEY LANE BRIDGE OVER
			2200M20/446	762	4	BOWLEY LANE BRIDGE OVER TO BULL HILL BRIDGE OVER
			2200M20/442	1595	4	BULL HILL BRIDGE OVER TO CHARING HEATH RD BRIDGE OVER
			2200M20/440	1543	4	CHARING HEATH RD BRIDGE OVER TO NEWLANDS ROAD BRIDGE OVER
			2200M20/436	1113	4	NEWLANDS ROAD BRIDGE OVER TO PLUCKLEY ROAD BRIDGE OVER
			2200M20/434	1202	4	PLUCKLEY ROAD BRIDGE OVER TO HURSTFORD LANE BRIDGE OVER
			2200M20/430	1179	4	HURSTFORD LANE BRIDGE OVER TO A20 MAIDSTONE RD BRIDGE OVER
			2200M20/428	1968	4	A20 MAIDSTONE RD BRIDGE OVER TO STATION ROAD BRIDGE UNDER
			2200M20/422	1668	4	STATION ROAD BRIDGE UNDER TO SANDYHURST LN BRIDGE OVER
			2200M20/418	898	4	SANDYHURST LN BRIDGE OVER TO CON/FLEX TRANS, ASHFORD

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 Video survey should be carried out in daylight hours under good visibility conditions.

3.2.2 On-site work is expected to take place in August (*Consultant* to propose dates) with all reports and deliverables returned to the *Client* no later than 30th September 2021.

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.

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.

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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)
- 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
- 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 every week. The *Consultant* submits an updated programme to the *Client* upon request.

5 SERVICES AND OTHER THINGS PROVIDED BY THE CLIENT

The *Client* does not provide anything.

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6 SPECIFICATION FOR THE SERVICES

6.1.1 The *Consultant* shall Provide the Services in accordance with CS229 and HD 29/08.

6.1.2 Results of survey should be provided in DGN & Excel formats.

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