

**National Asset Delivery
Technical Surveys and Testing**

**Works Information for
605789 – Barton Interchange Concrete
Testing**

CONTENTS AMENDMENT SHEET

Amend. No.	Revision No.	Amendments	Initials	Date
0	0	Original version issued with tender	SO	04/08/20

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LIST OF ANNEXES

Appendix 1 Supplementary Constraints

1 DESCRIPTION OF THE WORKS

1.1 Project objectives

- 1.1.1 The principle objective of this project is to carry out Concrete Testing to Barton Interchange Bridges as outlined in this works information, contract drawings and specification and provide reports of the findings of the testing.
- 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:

- (1) Concrete testing is to be carried out on various elements of Barton Interchange bridges. Barton Interchange consists of two identical single span bridges known as Barton Interchange North Bridge and Barton Interchange South Bridge. The bridges carry the A1(M) over the grade separated roundabout of junction 56.

The elements that will undergo concrete testing on both bridges are:

- The abutment faces and bearing shelves
- The bridge soffits
- The concrete upstands of the deck lightwells in the central reserves.

Note: The concrete upstands of the lightwells currently have uPVC drip detail panels attached. As part of these works the uPVC drip panels will need to be removed for the concrete testing to be carried out.

1.3 Deliverables

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

- (1) The contractor is to provide 2 no. reports (one for each structure). The reports will be factual reports outlining the results of the testing on each structure. Further detail on requirements for reporting is provided in Appendix 57 / 6 of the Specification.

2 EXISTING INFORMATION

- 2.1.1 The Drawings listed below apply to this contract. 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
20-005-01	North Bridge – Abutments	30/07/2020
20-005-02	North Bridge – Soffit	30/07/2020
20-005-03	South Bridge – Abutments	30/07/2020
20-005-04	South Bridge - Soffit	30/07/2020
HE605789-AMEY-SBR-A1(M)_500.00-SK-CB-5700_01	A1(M) Barton Lightwell Detailed Design – Concrete Testing Requirements	13/07/2020

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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 night shifts (anticipated working hours 20:00 – 06:00).

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 of 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 can be found uploaded with the tender documentation.
- 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) Testing is required to inform some ongoing detailed design work therefore testing at the earliest opportunity is required.
 - (iv) Testing of the lightwell upstands will ideally be carried out as a priority as this information is required for ongoing detailed design work.
- 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:
- Testing to lightwell upstands (north and south bridges)
 - Testing to abutments (north and south bridges)
 - Testing to deck soffit (north and south bridges)
 - Allowance for switching of traffic management to cover testing on both halves of bridges
- (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
- 4.1.5 The *Contractor* updates the programme every 6 weeks. 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) The exact traffic management layout is not known at this stage. For the purposes of tendering it is assumed that traffic management will be in form of phased inner and outer lane closures of the roundabout under night time shifts (approximately 8pm – 6am). It is assumed that traffic management will be switched over when required but ideally just before the following night shift.
- (2) The M&R contractor will be consulted regarding traffic management requirements and layout upon successful awarding of the contract.

If anything else is to be provided by the Employer state below or insert 'Not used' against 5.1.2:

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

- (1) The welfare facilities will be provided by the Principal Contractor which in this case will be the M&R contractor providing the traffic management.

6 SPECIFICATION FOR THE WORKS

- 6.1.1 The *Contractor* shall undertake the works in accordance with the following specification:

The specification is provided with the tender documentation called Concrete Testing Specification – Barton Interchange Bridges (Document Ref – 20-005-SPEC-01)

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