

**National Asset Delivery  
Technical Surveys and Testing**

**Works Information for  
605789 - Area 14 Bridges Concrete  
Testing – Package 1**

**CONTENTS AMENDMENT SHEET**

<b>Amend. No.</b>	<b>Revision No.</b>	<b>Amendments</b>	<b>Initials</b>	<b>Date</b>
0	0	Original version issued with tender	SO	14/07/20

FOR INFORMATION ONLY  
DO NOT COMPLETE AT THIS STAGE

## TABLE OF CONTENTS

<b>1</b>	<b>Description of the works</b> .....	4
1.1	Project objectives .....	4
1.2	Scope of works.....	4
1.3	Deliverables.....	4
<b>2</b>	<b>Existing INFORMATION</b> [delete reference to drawings if none exist].....	5
<b>3</b>	<b>Constraints on how the Contractor Provides the Works</b> .....	6
3.1	General .....	6
3.2	Working hours & site specific constraints.....	7
3.3	Health, Safety and Environment & Risk Management.....	7
<b>4</b>	<b>Requirements for the programme</b> .....	9
<b>5</b>	<b>Services and other things provided by the Employer</b> .....	10
<b>6</b>	<b>Specification for the works</b> .....	11

## LIST OF ANNEXES

Appendix 1 Supplementary Constraints

## 1 DESCRIPTION OF THE WORKS

### 1.1 Project objectives

The principle objective of this project is carry out concrete testing to Tyne Tunnel East and West bridges and Coatham Interchange North and South bridges.

The specification documents for the testing has been produced by Highways England's Design Services Consultant (Amey) and is supplied with this tender.

1.1.1 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:

Carry out the testing at the following structures as outlined in the concrete specifications and drawings supplied with this tender (produced by Amey). Carry out laboratory tests as required and produce factual reports of findings.

Structures in Scope of Works	
Coatham Interchange	Coatham Interchange North Bridge
	Coatham Interchange South Bridge
Tyne Tunnel Roundabout Interchange (Silverlink)	Tyne Tunnel Roundabout East Bridge
	Tyne Tunnel Roundabout West Bridge

Refer to the following documentation for details of testing required and scope of works:

- Specification for Tyne Tunnel Roundabout Bridges (HE602575-AMEY-GEN-A19/188.30-SP-CB-0000\_01 Revision 0),
- Specification for Coatham Interchange Concrete Testing (HE602575-AMEY-SBR-A1(M)\_522.70A-SP-CB-0000\_01),
- Testing Drawings listed in cl 2.1.2,
- Pre-construction information for A19 Tyne Tunnel Roundabout Bridges Concrete Testing,
- Pre-construction Information for Coatham Interchange Concrete Testing
- Traffic Management Options Report for A19 Tyne Tunnel Bridges Concrete Testing,
- Traffic Management Options Report for Coatham Interchange Testing.

The traffic management will be supplied by Highways England's M&R Contractor.

### 1.3 Deliverables

1.3.1 The *Contractor* is required to produce the following deliverables:  
Factual reports to be submitted as outlined in the Specifications for Coatham Interchange Concrete Testing and A19 Tyne Tunnel Roundabout Bridges.

- Draft report and drawings for both Coatham Interchange Bridges and Tyne Tunnel Roundabout Bridges will be supplied for review and comment by Highways England.
- Final reports and drawings for Tyne Tunnel Roundabout Bridges and Coatham Interchange Bridges.

The following dates are given as guideline only. The contractor should aim to carry out testing as early as possible following successful appointment of the contract.

<b>Programme dates for return of reports</b>	
Tyne Tunnel Roundabout Bridges (Draft Report)	2 <sup>nd</sup> Nov 2020
Tyne Tunnel Roundabout Bridges (Final Report)	14 <sup>th</sup> Dec 2020
Coatham Interchange Bridges (Draft Report)	7 <sup>th</sup> Dec 2020
Coatham Interchange Bridges (Final Report)	1 <sup>st</sup> Feb 2021

## 2 EXISTING INFORMATION

- 2.1.1 Please refer to appendix B in the pre-construction information documents for Tyne Tunnel Roundabout Bridges and Coatham Interchange Bridges for existing information on the structures.
- 2.1.2 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.

<b>Structure:</b>	<b>Coatham Interchange North/South</b>	
<b>Drawing Number</b>	<b>Title</b>	<b>Revision / Date</b>
HE602575-AMEY-SBR-A1(M)_522.70A-DR-CB-0000_01	LOCATION PLAN	CO1 / 12/09/2019
HE602575-AMEY-SBR-A1(M)_522.70A-DR-CB-0100_01	GENERAL ARRANGEMENT	CO1 / 23/03/2020
HE602575-AMEY-SBR-A1(M)_522.70B-DR-CB-1700_01	CONCRETE TESTING LOCATIONS – NORTH BRIDGE	CO1 / 24/03/2020
HE602575-AMEY-SBR-A1(M)_522.70A-DR-CB-1700_02	CONCRETE TESTING LOCATIONS – SOUTH BRIDGE	CO1 / 24/03/2020

<b>Structure:</b>	<b>Tyne Tunnel Roundabout East/West</b>	
<b>Drawing Number</b>	<b>Title</b>	<b>Revision / Date</b>
HE602575-AMEY-GEN-D_S_602575-DR-CB-0100_001	LOCATION PLAN	CO1 / 03/04/2020
HE602575-AMEY-GEN A19//188.30-DR-CB-1700.002	GENERAL ARRANGEMENT AND DETAILS	CO1 / 03/04/2020
HE602575-AMEY-GEN A19//188.30-DR-CB-1700.100	5588 - EAST BRIDGE DECK SOFFIT AND CANTILEVER: CONCRETE TESTING	CO1 / 03/04/2020
HE602575-AMEY-GEN A19//188.30-DR-CB-1700.101	5588 - EAST BRIDGE EAST AND WEST ABUTMENTS: CONCRETE TESTING	CO1 / 03/04/2020
HE602575-AMEY-GEN A19//188.30-DR-CB-1700.102	5588 - EAST BRIDGE NE AND SE PIERS: CONCRETE TESTING	CO1 / 03/04/2020
HE602575-AMEY-GEN A19//188.30-DR-CB-1700.103	5588 - EAST BRIDGE NW AND SW PIERS: CONCRETE TESTING	CO1 / 03/04/2020
HE602575-AMEY-GEN A19//188.30-DR-CB-1700.104	5589 - WEST BRIDGE DECK SOFFIT AND CANTILEVER: CONCRETE TESTING	CO1 / 03/04/2020
HE602575-AMEY-GEN A19//188.30-DR-CB-1700.105	5589 - WEST BRIDGE EAST & WEST ABUTMENTS: CONCRETE TESTING	CO1 / 03/04/2020
HE602575-AMEY-GEN A19//188.30-DR-CB-1700.106	5589 - WEST BRIDGE NE AND SE PIERS: CONCRETE TESTING	CO1 / 03/04/2020
HE602575-AMEY-GEN A19//188.30-DR-CB-1700.107	5589 - WEST BRIDGE NW AND SW PIERS: CONCRETE TESTING	CO1 / 03/04/2020

### 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 20:00 – 06:00 from Monday to Friday and no more than 12 hours per shift to comply with Highways England's standard IAN198/16.
- 3.2.2 The traffic management requirements shall be provided by Highways England's M&R Contractor, CHC.
- 3.2.3 For the site specific restrictions refer to cl.2.2.2 in the Pre-construction information documents for Tyne Tunnel Roundabout Bridges and Coatham Interchange Bridges.
- 3.2.4 The contractor will provide all access equipment such as Mobile Elevated Working Platforms (MEWPs) and tower scaffolds in order to carry out the works.

### **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 in the complete package of Tender documents uploaded to Bravo.
- 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. For project specific risk identified during the design stage refer to cl.4.3 in the Pre-construction information for Tyne Tunnel Roundabout Bridges and Coatham Interchange Bridges.

FOR INFORMATION ONLY  
DO NOT COMPLETE AT THIS STAGE

## 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) Weather and other factors that may affect the quality and efficiency of the testing works.
  - (iv) There is a typical two week lead in time for booking of road space (lane closures) which will need to be factored in to the programme. Highways England will aim to book this road space as early as possible following appointment of the contractor and following discussion with the chosen contractor and review of their programme.
  - (v) Other road space bookings and works on the network may clash with the provisional programme so it is vital that road space is booked as early as possible following appointment of the contractor.
  - (vi) In their submission the contractor should outline in their programme required traffic management, sequence of traffic management and durations in order to successfully complete the works.
- 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
- 4.1.5 The *Contractor* updates the programme every 8 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 traffic management requirements shall be provided by Highways England's M&R Contractor, CHC for both Tyne Tunnel Roundabout Bridges and Coatham Interchange Bridges.

Plan. Ref.	Site Ref.	Shift Pattern	Traffic Management
602575 /0001 Revision P01	Tyne Tunnel Roundabout Bridges	Night Shift	Lane Closures with associated diversions.
HE602575 AMEX TTM A1(M)_522.70A DR CB 0100 01	Coatham Interchange Bridges	Night shift	Lane Closures with associated diversions.

For more information on traffic management please refer to Coatham Interchange Concrete Testing – TTRO Closures and Restrictions plan - HE602575 AMEX TTM A1(M)\_522.70A DR CB 0100 01 and Tyne Tunnel Traffic Management Options Report A19 Tyne Tunnel Bridges Concrete Testing – 602575 /0001 Revision P01.

For pricing purposes, please disregard any reference in the Amey documentation (specification, drawings, PCI and Bill of quantities) relating to the contractor providing the traffic management. This will be provided by Highways England.

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

- (1) The contractor will be working under a CDM principle contractor, Highways England's M&R Contractor, CHC.
- (2) The welfare provisions shall be provided by the PC, being Highways England's M&R Contractor, CHC.

## 6 SPECIFICATION FOR THE WORKS

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

The Specification for Tyne Tunnel Roundabout Bridges - HE602575-AMEY-GEN-A19/188.30-SP-CB-0000\_01 Revision 0, the Specification for Coatham Interchange Concrete Testing - HE602575-AMEY-SBR-A1(M)\_522.70A-SP-CB-0000\_01.

6.1.2 The testing is to be undertaken in accordance with section 5 of the DMRB document CS 462 - Repair and management of deteriorated concrete highway structures.

6.1.3 For information on requirements for reporting refer to the Specification for Coatham Interchange Concrete Testing - HE602575-AMEY-SBR-A1(M)\_522.70A-SP-CB-0000\_01, Appendix 57/6 section 3 and The Specification for Tyne Tunnel Roundabout Bridges - HE602575-AMEY-GEN-A19/188.30-SP-CB-0000\_01 Revision 0, Appendix 57/6 section 3.

FOR INFORMATION ONLY  
DO NOT COMPLETE AT THIS STAGE