

National Asset Delivery
Technical Surveys and Testing

Works Information for HE607428 - A1
NB/SB Newark to Carlton on Trent –
Pavement Development –
Waterproofing Pull-Off

CONTENTS AMENDMENT SHEET

Amend. No.	Revision No.	Amendments	Initials	Date
0	0	Original version issued with tender	AA	23/03/21

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LIST OF ANNEXES

Appendix 1 **Supplementary Constraints**

1 DESCRIPTION OF THE WORKS

1.1 Project objectives

The principle objective of this project is to undertake Coring and associated Waterproofing (Adhesion) pull off test (8 Nos.) to River Fleet underbridge RC deck slab in accordance with CD 358 Waterproofing and surfacing of concrete bridge decks (Revision 2). Provide subsequent reports and testing in accordance with the requirements detailed in the specification.

All works are programmed to be carried out in 8no. shifts from 21/04/21 to 01/05/21 between 21:00-06:00.

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:

- (1) Coring
- (2) Reinstatement of core holes
- (3) Disposal of cores
- (4) Coring on River Fleet underbridge RC deck slab should avoid the wheel track zone locations of any of the running lanes, cores should preferably be taken in the hard shoulder lanes of the deck.

1.3 Deliverables

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

Coring

- (1) Core logs should at least contain following information:
- (2) Core Number
- (3) Core Location (chart section, section chainage, marker post, position of core, lane, traffic direction, GPS coordinates)
- (4) Photographs from a minimum of two angles
- (5) Photograph of the top of the core showing the surfacing
- (6) Photograph of core hole
- (7) All details are to be provided within a month of undertaking the surveys and supplied in electronic format. And kept by the *Contractor* for a period of 1 year from the date of the original submission.

- (8) Waterproofing pull off test results should be reported in accordance with CD 358 Waterproofing and surfacing of concrete bridge decks (Revision 2). Cores should be reinstated to permanent standard. Base and edge preparation free from contamination before applying tack coat and bond coat. HRA surfacing material to be backfilled and compacted in accordance with Specification for the Reinstatement of Openings in Highways, Fourth edition.

Report

- (1) Waterproofing pull off test results should be reported in accordance with CD 358 Waterproofing and surfacing of concrete bridge decks (Revision 2).
- (2) The *Contractor* shall provide the results of the surveys in the format as detailed in requirement 6.1.2 of this document.

2 EXISTING INFORMATION

2.1.1 The Drawings listed below apply to this contract.

2.1.2 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
HE607428-KIER-GEN-A1-ML-Z-DE-CH-0000-01	Location Plan	P1
HE607428-KIER-VUT-A1-ML-Z-DR-Z-2700-01 to 05	Existing Utilities Layout sheet	P1

Table 1: Scheme Drawings

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 21:00 to 06:00 Monday to Friday.
- 3.2.2 Refer to environmental assessment

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 constraint's relation to health and safety duties.
- 3.3.2 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. Details on the scheme can be found here: <http://www.highwayssafetyhub.com/safety-passport.html>
- 3.3.3 For details of the CDM duty holders, refer to the pre-construction information which can be found here HE607428-KIER-GHS-A1_ML_Z-HS-ZS-02 Pre-Construction Information.
- 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 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* (21/04/2021) and *completion date* (01/05/2021) and any post site works, reporting and review period
 - (ii) The services and other things provided by *Employer* (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* & *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) Key dates for co-ordination with Others
- 4.1.5 The *Contractor* updates the programme every week. 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:

Assumed traffic management for this is as follows;

- Full closure of the A1 northbound carriageway between A1/A46 Newark on Trent to A1/A57/A614 Apleyhead - dates on site NB 27/28/29/30 April.
- Full closure of the A1 southbound carriageway between A1/A57/A614 Apleyhead to A1/A46 Newark on Trent – dates on site SB 21/22/23/26 April.
- Full Closures of the slip roads

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

- Welfare facilities will be provided by the Principal Contractor (the TM provider).
- Desktop search for utility information (Type D) survey. This information will be provided to the contractor at the pricing stage. The contractor is not required to send out for this information again.

6 SPECIFICATION FOR THE WORKS

- 6.1.1 The *Contractor* shall undertake the works in accordance with National AD Technical Surveys & Testing contract documentation as well as the additional requirements:
- 6.1.2 Coring Surveys in accordance with CS229 section 6 and reinstatement in accordance with Series 900 of MCHW
- 6.1.3 Waterproofing pull off (Adhesion) test results should be reported in accordance with CD 358 Waterproofing and surfacing of concrete bridge decks (Revision 2). Cores should be reinstated to permanent standard. Base and edge preparation free from contamination before application of tack coat and bond coat. HRA surfacing material to be backfilled and compacted in accordance with Specification for the Reinstatement of Openings in Highways, Fourth edition.