

National Asset Delivery
Technical Surveys and Testing

Works Information for M4 and M5 Gantry
Removal Asbestos Survey

CONTENTS AMENDMENT SHEET

Amend. No.	Revision No.	Amendments	Initials	Date
0	0	Original version issued with tender	PW	15/06/21

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Appendix 1 – Supplementary Constraints

1 DESCRIPTION OF THE WORKS

1.1 Project objectives

1.1.1 The principle objective of this project is to undertake investigation and testing works on the 4 gantries on the M4 and M5 which are to be removed from site as it is in poor condition. The M4 Gantry 68G20, M5 Gantry 68G05, M5 Gantry 68G06 and M5 Gantry 68G10 locations are shown in Drawings listed in Section 2.1.2. The *Contractor* is required to provide reports in accordance with requirements detailed in the specification.

1.1.2 The *works* include the following; Asbestos – demolition surveys.

1.1.3 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) Asbestos; a demolition survey of the gantries and their associated parts, and local surroundings that would be disturbed by the demolition works, notably associated buried drainage and made ground.

1.3 Deliverables

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

- (1) Asbestos Demolition reports for the structures, delivered within 3 weeks of completion of site works.

2 EXISTING INFORMATION

2.1.1 Location

M4 Gantry 68G20 is located on the M4 near junction 20, marker post 187.10, Grid reference: E361606, N184180. Structure key: 68G20. The gantry covers a single M4 westbound carriageway with one leg in the central reserve and one leg in the verge.

M5 Gantry 68G05 is located on the M5 near junction 15, marker post 129.50, Grid reference: E362992, N184611. Structure key: 68G05. The gantry covers a single carriageway with one leg in the central reserve and one in the verge.

M5 Gantry 68G06 is located on the M5 near junction 15, marker post 130.30, Grid reference: E362434, N184004. Structure key: 68G06. It covers a single carriageway with one leg in the central reserve and one in the verge.

M5 Gantry 68G10 is located on the M5 near junction 15, marker post 130.80, Grid reference: E361947, N183789. Structure key: 68G10. It crosses a single carriageway with one leg in the central reserve and one in the verge.

- 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.

Drawing Number	Title	Revision / Date
HE570135Z-KIER-VTO-M4_GY_68G20-DR-CH-0202AS	M4 Gantry 68G20 Removal Asbestos Survey Location for Plan	C1
HE570135Z-KIER-VTO-M5_GY_68G05-DR-CH-0202AS	M5 Gantry 68G05 Removal Asbestos Survey Location for Plan	C1
HE570135Z-KIER-VTO-M5_GY_68G06-DR-CH-0202AS	M5 Gantry 68G06 Removal Asbestos Survey Location for Plan	C1
HE570135Z-KIER-VTO-M5_GY_68G10-DR-CH-0202AS	M5 Gantry 68G10 Removal Asbestos Survey Location for Plan	C1

3 CONSTRAINTS ON HOW THE CONTRACTOR PROVIDES THE WORKS

3.1 General

3.1.2 The *Contractor* Provides the Works in such manner as to minimise the risk of damage or disturbance to or destruction of third-party property.

3.1.3 The *Contractor* complies with the constraints and meets with the requirements outlined in Appendix 1.

3.1.4 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 TM is required to access the site. The *Contractor's* working hours for site works, shall be restricted when traffic management (TM) is required to between the hours of 21:00 and 06.00, Monday to Friday. Where traffic management is not required for site works, the *Contractor's* working hours for site works shall be within 09:00 and 16:00.

3.2.2 Works are anticipated to be carried out in 5 shifts during the week commencing 16th August however the dates are subject to change based on road space availability.

3.2.3 The general public may access the working area in emergencies and suitable control measures may be required to mitigate contact between them and the works.

3.2.3 Any electrical equipment shall only be surveyed when an isolation is in place and has been confirmed by an electrician.

3.2.4 The *Contractor* shall provide access equipment to gain access to the gantry upper level.

3.3 Health, Safety and Environment & Risk Management

Health and Safety requirements

3.3.3 In Providing the Works the *Contractor* meets the requirements of Annex 2 of the supplementary constraints in relation to health and safety duties.

3.3.4 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.

3.3.5 For details of the CDM duty holders, refer to the pre-construction information which can be found included in the tender pack.

- 3.3.6 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

- 3.3.7 In Providing the Works the *Contractor* meets the requirements of Annex 2 of the supplementary constraints in relation to environmental duties.

Risk Management

- 3.3.8 The *Contractor* identifies, manages and mitigates risks in accordance with the principles of ISO31000.
- 3.3.9 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.

4 REQUIREMENTS FOR THE PROGRAMME

- 5.1.1 The *Contractor* submits programme to the *Employer* with his tender.
- 5.1.2 The *Contractor* Provides the Works taking into account the following programme constraints:
- (i) the *starting date* (anticipated 16/08/21) and *completion date* (anticipated 20/08/2021) and any post site works, reporting and review period
 - (ii) The services and other things provided by *Employer* (see Section 5)
 - (iii) Further survey works are planned at this location as part of the same scheme. Every effort shall be made to combine these surveys (and cleansing/vegetation clearance operations) to minimise the TM requirements and disruption to the travelling public.
 - (iv) Deadlines for reporting are given in Section 1.3. Any amendments to these requirements will be confirmed by Highways England.
- 5.1.3 The programme should be in the form of an activity and time related bar chart, produced as a result of a critical path analysis.
- 5.1.4 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) review periods for any reporting requirements
 - (iv) key dates for the Client to provide 'services and other things'
 - (v) key dates for co-ordination with *Others*
 - (vi) Durations of activities requiring traffic and or pedestrian management
- 5.1.5 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:

- (i) Some of the survey works will be carried out under overnight lane closures with TM installation and TM removal and shall be between the hours of 21:00 and 06.00, Monday to Friday

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

- (i) Welfare facilities will be provided by the Principal Contractor (the TM provider).

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6 SPECIFICATION FOR THE WORKS

6.1 General

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

- A demolition survey to the structure shall be carried out in accordance with HSG 264. The survey shall consider and include inspection/sampling/testing as required of any elements that the asbestos specialist shall be a risk of disturbance during the scheme.
- All specialist asbestos surveying and sampling activities shall be undertaken by an appropriately competent and UKAS accredited contractor to ISO17020 and ISO17025.

6.1.2 Components where intrusive work is planned during demolition are shown on contract drawing(s)

HE570135Z-KIER-VTO-M4_GY_68G20-DR-CH-0202AS

HE570135Z-KIER-VTO-M5_GY_68G05-DR-CH-0202AS

HE570135Z-KIER-VTO-M5_GY_68G06-DR-CH-0202AS

HE570135Z-KIER-VTO-M5_GY_68G10-DR-CH-0202AS

6.1.3 Controls should be put in place to prevent the spread of debris, which may include asbestos.

6.1.4 All sampling, testing and reporting shall comply with the Control of Asbestos Management Regulations 2012.

6.1.5 The *Contractor* shall review the previous Principle inspections (to be provided upon request post award), as-built drawings and Asbestos reports (provided with tender documentation).

6.1.6 The *Contractor* is required to provide any access equipment required to ensure sufficient completion of the Asbestos survey.

6.1.7 Reporting

The asbestos survey report shall satisfy the requirements of GG105 – one shall be provided for each gantry;

The report shall include the gantry name; M4 Gantry MP187.10, HE Structure Reference 12380 Sign Gantry EB M4 and HE Structure Key **68G20**.

The report shall include the gantry name; M5 Gantry MP129.50, HE Structure Reference 13984 Sign Gantry SB M5 and HE Structure Key **68G05**.

The report shall include the gantry name; M5 Gantry MP130.30, HE Structure Reference 13985 Sign Gantry SB M5 and HE Structure Key **68G06**.

The report shall include the gantry name; M5 Gantry MP130.80, HE Structure Reference 13989 Sign Gantry SB M5 and HE Structure Key **68G10**.

- 6.1.8 Photographs should be included within the reports to show the material sampled, its condition and location and its surrounding environment

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