

A19 / A1058 Coast Road Junction Improvement Scheme

**TENDER DOCUMENTS
VOLUME 3B**

WORKS INFORMATION (BUILDABILITY PHASE)

May 2015

WORKS INFORMATION

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1. Description of the Works

- 1.1 The Works comprise the provision of advice to the Employer's design consultant during the preparation of the detailed design for the construction, testing and commissioning of the A19 / A1058 Coast Road Junction Improvement scheme in Newcastle upon Tyne. A description of the scheme and outline scope of the construction Works are described in Volume 3A.

2. Employer's Objectives

- 2.1 The Highways England objectives are set out below:
- To reduce congestion.
 - To increase capacity.
 - To improve journey times.
 - To improve road safety for both road users and the local community.
 - To support regeneration in Tyne & Wear and Northumberland.
 - To seek to reduce severance by maintaining or improving facilities for pedestrians & cyclists crossing and travelling along the route.
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3. Scope of Works

- 3.1 The Contractor shall provide the staff listed in Annex A to attend meetings with the Designer from time to time during the development of the detailed design of the main Works.

4. General Constraints

4.1 Project Risks

- 4.1.1 In addition to the requirements for managing Project Risks included in Volume 3A the *Contractor* shall assist the *Employer's* design consultant in reviewing risks during the development of the detailed design in conjunction with the *Project Manager*.

4.2 Environmental Requirements

- 4.2.1 In Providing the Works the *Contractor* complies with the *Employer's* environmental policy, which is to conserve energy, water and other resources, reduce waste and phase out the use of ozone depleting substances and minimise the release of greenhouse gases, volatile organic compounds and other substances damaging to health and the environment.

- 4.2.2 Paper for written outputs produced by the *Contractor* in connection with the contract complies with the relevant sustainable **Government Buying Standards** and is used on both sides where appropriate. Suppliers that have certified their products as meeting Government Buying Standards are identified on the buying solutions website www.buyingsolutions.gov.uk.

4.2.3 Goods purchased by the *Contractor* on behalf of the *Employer* (or which will become the property of the *Employer*) comply with the relevant minimum environmental standards specified in the **Government Buying Standards**.

4.3 Working Hours

4.3.1 Not applicable.

5. **Project Control Framework**

5.1 In addition to the requirements for complying with the Project Control Framework (PCF) as described in Volume 3A the *Contractor* will be involved in review and revision of the PCF products prepared by the *Employer's* design consultant during the detailed design phase.

6. **Design Responsibility**

6.1 The *Contractor* has responsibility for advising the *Employer's* design consultant during the development of the detailed design of the Works. The *Employer's* design consultant retains responsibility for the detailed design of the Works under this contract.

6.2 The *Employer* provides the *Contractor* with the preliminary design, which has been prepared by the *Employer's* design consultant.

6.3 Detailed design information prepared by the *Employer's* design consultant will be issued to the *Contractor* one week before any such design review meetings and / or workshops are held to discuss the design.

6.4 The *Contractor* is responsible for the elements of the design as specified within Numbered Appendix 1/10 of the Specification.

7. **Programme**

7.1 Contract award is anticipated to be in August 2015 with construction to commence in Spring / Summer 2016 (subject to successful outcome of DCO application). Construction preparation having commenced in March 2015 is envisaged to be complete by Spring / Summer 2016.

8. **Management of the Works**

8.1 The *Contractor* shall be responsible for providing appropriate project controls; including cost management, internal communications, benefits management, and change control for the advice provided by the key staff during the detailed design development.

9. Provision of Cost Information

- 9.1 The *Contractor* submits financial information in accordance with Clause Z43 of Volume 1 of the CDF Framework documents.
- 9.2 The *Contractor* properly captures all costs in providing advice to the *Employer's* design consultant within a data collection system specified by the *Employer* for use on the scheme in respect of applications for payment.

10. Meetings

10.1 Consultations with *Employer's* design consultant

- 10.1.1 The *Contractor* shall attend liaison meetings with the *Employer's* design consultant. These meetings address issues relating to the development of the detailed design of the Works. The *Employer's* design consultant arranges meetings as required and holds them monthly as a minimum, unless he agrees otherwise with the *Project Manager*.

10.2 Value Engineering Workshops

- 10.2.1 The *Contractor* shall attend Value Engineering Workshops. These meetings will review previous value engineering ideas and address any new value engineering ideas that may be identified during the detailed design. The *Employer's* design consultant arranges the workshop and holds, as a minimum, one during the detailed design phase, unless agreed otherwise with the *Project Manager*.

11. Personnel

- 11.1 The personnel identified in Annex A are required to be appointed under this contract, in addition to those key people identified in Contract Data Part Two.
- 11.2 The *Contractors* personnel shall cooperate with The *Employer's* design consultant during the development of the detailed design.
- 11.3 The personnel identified are required as per the Annex B schedule of requirements.

12. Office Accommodation

- 12.1 During the Buildability phase of the Contract it is envisaged that no office accommodation will be required to be provided by the *Contractor*.
- 12.2 The *Contractor* shall attend the *Employer's* office and / or the *Employer's* design consultants office for any such meetings requested by the *Employer* during the Buildability phase.

13. Health and Safety

- 13.1 The *Contractor* complies with the *Employer's* and / or *Employer's* design consultants latest rules, health and safety policies and any safety and security instructions notified to the *Contractor* when in attendance at the *Employer's* or *Employer's* design consultants premises.

14. Legal requirements

- 14.1 The Employer appoints the Contractor to act as principal Contractor and CDM coordinator for the purposes of the Construction (Design and Management) Regulations 2007. The Contractor provides information to the Project Manager to demonstrate that individuals proposed for appointment to carry out the duties of the CDM coordinator meet the criteria in the Health and Safety Executive's Approved Code of Practice (L114), "Managing Health and Safety in Construction". Construction (Design and Management) Regulations 2015

Annex A Key Personnel

The following key personnel shall be required from the list below:

Design Buildability Phase

Project Director

Project Manager

Civil Structures Discipline Lead

Piling Discipline Lead

Drainage Discipline Lead

Lighting Discipline Lead

Vehicle Restraint System Discipline Lead

Geotechnical Engineer

Traffic Signal Engineer

Materials Engineer

Pavement Engineer

Traffic Management Discipline Lead

Programmer

Annex B Schedule of Requirements

The following key personnel shall be required to attend the following meetings at the stated intervals as a minimum:

Role	Days Required									
	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	Total
Project Director	5	5	2	2	1	1	1	-	-	17
Project Manager	10	10	10	10	5	5	5	-	-	55
Civil Structures Discipline Lead	10	10	10	10	5	5	5	-	-	55
Piling Discipline Lead	10	10	10	10	5	2	2	-	-	49
Drainage Discipline Lead	5	5	1	1				-	-	12
Lighting Discipline Lead	2	2	1	1				-	-	6
Vehicle Restraint System Discipline Lead	2	2	1	1				-	-	6
Geotechnical Engineer	10	10	10	10	5	2	2	-	-	49
Traffic Signal Engineer	10	10	10	10	2	2	2	-	-	46
Materials Engineer	5	5	5	5	2	2	2		-	26
Pavement Engineer	2	2	2	2				-	-	8
Traffic Management Discipline Lead	10	10	10	10	5	2	2	-	-	49
Programmer	10	10	10	10	5	5	5	-	-	55