

Works Information - Issue 1

Site Ref: 00/037
Address: A11 ALDGATE HIGH STREET - JEWRY STREET - A11 ST BOTOLPH STREET - A1211 MINORIES
Project Description: Modernisation
PO Number: [REDACTED] **Date:** 12/01/2015
Engineer: Chidi Nwaonu **Contact Tel No:** [REDACTED]
Civils Contact: [REDACTED] **Contact Tel No:** [REDACTED]

All capitalised terms in the Works Information shall bear the meaning ascribed to them in Schedule 2 or Schedule 6 of the TCMS Agreement (as applicable).

General

The *Contractor* shall comply with all of the requirements set out in Schedule 3: Statement of Requirements of the TCMS Agreement, which are applicable to the works, unless specifically otherwise stated in the Works Information. The *Contractor* shall provide all facilities necessary for Providing the Works and in accordance with the TCMS Agreement and the requirements included in Schedule 3, Part 1, Section 2: Contractor facilities which are relevant to completing the works.

The *Contractor* shall be responsible for obtaining all permissions, approvals and licences other than those that are specified in the Works Information as being the responsibility of the Employer.

1. Description of works

The works are as described in the Build Brief and the documents annexed to or referred to in the Build Brief.

This scheme is part of the Aldgate Gyratory Improvement Scheme

This work will have 4 Phases

- 1. Remove Poles 19-22 as per SLD/00/037/12 as part of TM for roadworks**
- 2. Place Poles in barrel, rearrange signals layout to match TM and change PROM**
- 3. Install new site as per PRO/00/037/07A**
- 4. Commission locally and on to UTC with TfL Engineer**

PROMs, signals equipment and controller to be provided by Contractor

Upgrade to 21CN

Telecoms and electricity to be requested by Contractor, existing supplies to be transferred or disconnected

TM, permits and civil assist to be provided by City of London

2. Contractor's Design

2.1 Parts of the works designed by the Contractor

2.1.1 Where required in the Build Brief, the Contractor shall complete the Electrical Design for the works in accordance with Schedule 3, Part 2, Section 2.4: Electrical Design of the TCMS Agreement.

2.1.2 Where required in the Build Brief, the Contractor shall complete the Controller Configuration for the works in accordance with Schedule 3, Part 2, Section 2.3: Controller Configuration of the TCMS Agreement.

2.1.3 For works that comprise any OVD and VMS Capital Works, the Contractor shall complete design activities in accordance with requirements 2.1.3, 2.1.6, 2.1.7 & 2.7.2 of Schedule 3, Part 2: Capital Works of the TCMS Agreement.

2.1.4 The Contractor shall be responsible for the selection of TC Equipment, in accordance with Schedule 3, Part 3 of the TCMS Agreement.

2.2 Parts of the works designed by the Employer (List any “Drawings” below)

2.2.1 The Employer shall provide the design information for the works in accordance with requirement 2.1.4 of Schedule 3, Part 2: Capital Works unless stated otherwise in the Build Brief.

2.3 Design acceptance procedures

2.3.1 The Employer will approve the Contractor’s Design in accordance with the following, unless otherwise stated in the Build Brief.

2.3.2 Where the Employer elects in the Build Brief not to approve the Contractor’s Design, the Employer may audit a sample of Electrical Designs and Controller Configurations.

2.3.3 For all OVD and VMS Capital Works the Employer shall approve the design in accordance with requirement 2.8.2 of Schedule 3, Part 2, Section 2.8: Installation of the TCMS Agreement.

2.3.4 The Contractor shall submit all Electrical Design Documentation in accordance with timescales outlined in requirement 2.4.5 of Schedule 3, Part 2, Section 2.4: Electrical Design of the TCMS Agreement.

2.3.5 The Contractor shall submit all Controller Configuration Documentation in accordance with timescales outlined in requirement 2.3.8 of Schedule 3, Part 2, Section 2.3: Controller Configuration of the TCMS Agreement.

2.4 Performance specification/design brief

2.4.1 Any additional performance specifications or design instructions to those covered in the Statement of Requirements will be set out in the Build Brief.

2.5 Materials and workmanship specifications (relating to design work) including references to relevant standards

2.5.1 The Contractor shall observe and comply with Schedule 3, part 3: TC Equipment of the TCMS Agreement in respect of materials and workmanship specifications.

2.5.2 The Contractor shall complete all installation activities in accordance with Schedule 3, Part 2, Section 2.8: Installation of the TCMS Agreement.

3. Drawings

Table 1.0 – Drawings submitted by the Employer

Drawing Number	Revision	Title
N/A	N/A	N/A

4. Specifications

4.1 The *Contractor* shall be required to observe and comply with the standards and specifications listed in Table I.1 which are stated to be applicable to the *works* .

4.2 The *Employer* will indicate which standards and specifications are relevant to the Capital Works being delivered.

4.3 This list may be amended or updated from time to time. Any such amendments or updates shall not entitle the *Contractor* to a compensation event.

Table I.1 – Relevant Standards and Specifications

Title <i>(All such Standards and / or specifications are as updated from time to time)</i>	Date or revision	Tick if publicly available	Relevant to works (Y/N)
Highways Agency TR2500A	Nov-05	Y	Y
Traffic Signs Manual 2009 - Chapter 8	2009 (2nd)	Y	Y
National Highways Sector Scheme (NHSS8)	Issue 18	Y	Y
Institution of Electrical Engineers (BS7671) 17th edition 2008, Amendment No. 1 - 2011	2008 (Amendment 1 - 2011)	Y	Y
Local Transport Note 1/98 - The Installation of Traffic Signals and Associated Equipment (DfT standard)	Sep-98	Y	Y
New Roads and Street Works Act 1991	Oct-12	Y	Y
Design for Motorways, Roads and Bridges	May-14	Y	Y
Annex C1a: Detection Standards (Above ground)	Issue 1 (22/7/13)		Y
Annex C1b: Detection Standards (Below ground)	Issue 3 (Mar 14)		Y
Annex C2: Portable Traffic Signal Standards	Issue 2 (July 13)		Y
Annex C3: Electrical Testing Standards	Issue 10		Y
Annex C4: Cabling of Controller/Tagging Rules/Cable Standards	Rev A (April 2013)		Y
Annex C5: Example testing of ELV circuits	Ver 5 (Jan 13)		Y
Annex C6: Warning labels	Ver 1 (June 13)		Y
Annex C20: SQA-0640 - Policy, Standards and Guidance to Procedures for the Design of Traffic Signals	Issue 3 (Dec 13)		Y
Annex C20: SQA-0641 - High Level Process for the Design of Traffic Signals	Issue 3 (Dec 13)		Y
Annex C20: SQA-0642 - Client Requirements	Issue 3 (Dec 13)		Y
Annex C20: SQA-0643 - Design for Signalised Junctions	Issue 3.1 (Aug 13)		Y
Annex C20: SQA-0644 - Design for Standalone Crossings	Issue 3 (Dec 13)		Y
Annex C20: SQA-0645 - Traffic Signal Timings	Issue 3 (Dec 13)		Y
Annex C20: SQA-0646 - Safety Auditing of Signal Schemes	Issue 4 (Dec 14)		Y
Annex C20: SQA-0647 - Justification for Traffic Signals	Issue 3 (Dec 13)		Y

Annex C20: SQA-0648 - Documentation for the Design File	Issue 3 (Nov 13)		Y
			Y
BS EN 1997-1:2004 Geotechnical Design – General Rules;	Dec-04	Y	Y
DMRB BD51/98 Design Manual for Roads and Bridges; Volume 2, Section 2, Part 2, Portal and Cantilever Signs/Signals Gantries;	May-98	Y	Y
DMRB BD74/00 Design Manual for Roads and Bridges; Volume 2, Section 1, Part 8, Foundations;	May-00	Y	Y
DMRB BD94/07 Design Manual for Roads and Bridges; Volume 2, Section 2, Part 1, Design of Minor Structures.	Feb-07	Y	Y
Annex E1: TC Equipment Specification	Issue 1		Y
Annex E2: TC Equipment List	Issue 1		Y
Annex E3: UTC Bus Priority Requirements	Issue 1		Y
Annex E4: Remote Monitoring specifications	Issue 1		Y
Annex E5: Next Generation Remote Monitoring white paper	00b (June 2013)		Y
Annex E6: Specifications for IPOTU	Issue 1		Y
Annex E7: iBus System Interface Requirements	Issue 7		Y
Annex E8: PCaTs Technical Specification	v03i (Mar 2012)		Y
Annex E9: Poles	Issue 1		Y
Annex E10: Lamp Column Specifications	Issue 3 (Nov 2012)		Y
Annex E11: Blind Spot Safety Mirror Drawing	Issue 1		Y
Annex E12: A and C Type Feeder Pillar Drawings	Issue 1		Y

5. Constraints on how the Contractor Provides the Works

5.1 The Contractor is required to liaise and co-ordinate with Interfacing Others as required in the Capital Works Conditions of Contract and including (without limitation) those identified in Table 1.2 below;

Table 1.2 – Interfacing Others

Organisation	Required to Interact (Y/N)
TCMS2 contractors	Y
Electricity Transmission Provider	Y
Communication Providers	Y
Major Civil Engineering Contractor	Y
Borough Representative	Y
London Ambulance Service	Y
London Fire Brigade	Y
Bus Representative	Y
Police Liaison	Y
Authority Engineer	Y
Authority Forward Planning	Y
Authority Clerk of Works	Y
Relevant Highway Authority	Y
Developer Representative	N
And Others	Y

5.2 The *Contractor* shall provide Site access to TCMS2 contractors when they are completing Capital Works outside their Contract Area.

5.3 The *Contractor* shall observe and comply with Schedule 16: Permitting of the TCMS Agreement for all matters relating to Permitting, Traffic Management and Lane Rental as applicable to the works.

5.4 The *Employer* shall identify in the Build Brief any part of the Site which it is aware is not on a Public Highway and any access arrangements which are, or are to be put, in place for such parts of the Site. The *Contractor* shall comply with any such access arrangements.

6. Programme

6.1 The *Contractor* shall provide information on the programme as and when requested by the Employer.

6.2 As applicable to the works, the *Contractor* may be required to identify one or more of the following in its programme, and each revised programme

- Installation start date
- Target Commissioning Date for Portable Signals
- Communications start date
- Communications completion date
- ETP start date
- ETP completion date
- Factory Acceptance Testing date(s)

7. Completion

7.1 The Contractor shall complete Commissioning in accordance with Schedule 3, Part 2, Section 2.9: Commissioning of the TCMS Agreement.

7.2 The Contractor shall achieve and evidence all of the criteria outlined in requirement 2.9.6 of Schedule 3, Part 2, Section 2.9: Commissioning of the TCMS Agreement to achieve Completion.

8. Working with the Employer and Others

8.1 Please see above Section 5: Constraints on how the Contractor Provides the Works.

9. Health and safety

9.1 The Contractor shall observe and comply with requirements 1.1.2 and 1.1.3 of Schedule 3, Part 1, Section 1: Standards, working practices and principles of the TCMS Agreement.

10. Tests

10.1 The Contractor shall complete testing of the Controller Configuration in accordance with requirements 2.3.4 to 2.3.7 of Schedule 3, Part 2, Section 2.3: Controller Configuration of the TCMS Agreement.

10.2 For all OVD and VMS Capital Works the Contractor shall complete Factory Acceptance Testing in accordance with requirement 2.8.3 of Schedule 3, Part 2, section 2.8: Installation of the TCMS Agreement.

If Option X4 is used.

11. Parent company guarantee

11.1 The form of parent company guarantee is included in Schedule 18 of the TCMS Agreement.

If Option X13 is used

12. Performance bond

12.1 The form of performance bond is included in Schedule 19 of the TCMS Agreement.