

FRAMEWORK AGREEMENT FOR THE PROVISION OF THE INSTALLATION OF TRAFFIC SIGNALS

Volume 2 WORKS INFORMATION (GENERAL)

Commercial and Procurement
Somerset County Council
County Hall
Taunton
Somerset
TA1 4DY

This Works Information should be read in conjunction with the version of the 'Specification for Highways Works' current at the Contract Date. In the event of conflict this Works Information shall prevail. The *works* are to be compliant with the Works Information.

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WI 100 Description of the works

WI 101 Description of the works

The Works Information (including all Contract-Specific Additional, Substitute and Cancelled Clauses, Tables and Figures Included in this contract) will form part of the framework as a volume to the framework contract and be applicable to each Package Order called off under the contract.

For each Package Order, or Mini-Competition the Works Information will be referenced to apply plus any new additional Works Information included and/or modifications to it.

WI 102 Project Background

SCC is looking to let a multi-supplier framework agreement for the carrying out of works to install traffic signals including all required civil engineering works at various sites across Somerset.

SCC has historically delivered the installation of traffic signals through both its term maintenance contracts (signals and highways) and through the delivery of major schemes.

WI 103 Project Objectives

The Framework offers opportunities for improved works coordination between those undertaking civil engineering and traffic signals implementation works on the same scheme, in turn offering opportunity for reduced disruption to the travelling public and communities of Somerset as well as value for money.

WI 104 Works to be undertaken by the Contractor

Scheme specific Works Information will be provided for each Package Order called off under the contract. Unless otherwise stated all requirements in this Framework Works Information shall be applicable to each Package Order.

The *works* shall include, but not be limited to, construction of new and/or improvements, modifications and refurbishments of existing traffic signal-controlled junctions and traffic signal-controlled crossings, including associated civil engineering activities such as carriageway and footway/cycleway works, earthworks, drainage, pavements, service diversions, landscaping, street lighting and retaining wall construction as required by a specific Package Order.

The Contractor shall undertake all services and activities necessary to undertake construction, commissioning, entry into service, facilitate and handover of the scheme as set out in the Works Information and Specification issued by SCC for any given Package Order.

References to the Specification means the Specification for Highway Works (SHW) and its Appendices unless specifically noted otherwise and any updates to these documents during the Framework period.

WI 200 General constraints on how the *Contractor* provides the works

WI 201 General Constraints

These common constraints apply to the Works and Service Information: -

- a) The policies of the Client in relation to highway maintenance and improvement;
- b) The budgets made available by the Client;
- c) Programme Approval;
- d) International, National and Local Standards and Codes of Practice;
- e) The Design Manual for Roads and Bridges;
- f) The Code of Practice for Maintenance Works (published by the Institution of Highways and Transportation);
- g) Key Performance Indicators;
- h) Required response times;
- i) Highways Act 1980;
- j) British Standards and Eurocodes;
- k) Construction & Design Management Regulations (2015);
- l) New Roads and Street Works Act and Traffic Management Act requirements;
- m) Local Transport Plan;
- n) Publisher Copyright;
- o) Legal and other agreements entered into by the authority;

All above documents are those applying from time to time.

There will be sites that require the Authority to undertake ecological surveys that may impose additional constraints/conditions on the Contractor.

WI 202 Use of the site

Refer to Appendix 1/7 Part 2 Limitations of Use.

WI 203 Traffic Management

The Contractor is responsible for the design, provision and maintenance of temporary traffic management. Full requirements are included in Appendix 1/17 of the Specification

WI 204 Access to the Site

The site(s) will typically be within the public highway, should this not be the case it will be stated in the Package Order Works Information. The principle of Permitted Access Routes is described in Appendix 1/19.

Details of the arrangements for access to the site shall be provided with each Package Order. It is envisaged that all sites will predominantly fall within the public highway. The Contractor shall be responsible for maintaining all existing forms of through access to the public, including pedestrians.

The Contractor shall not obstruct any public right of way, lane, road junction vehicular or pedestrian access which has not been closed to traffic.

Where it is considered unsafe or impractical to maintain a form of access the appropriate legal provisions must be made including temporary or permanent Traffic Regulation Orders as required by the Works. The Contractor should allow for associated costs within Preliminaries.

The Contractor must apply for and obtain all necessary Streetworks or placement of temporary traffic signals licenses in accordance with Somerset County Council's advertised timescales, including payment of any associated fees. Further details can be found at <http://www.somerset.gov.uk/roads-parking-and-transport/road-closures/roadworks-street-works-and-network-management/>.

WI 205 Deliveries

Delivery times are to be within standard working hours (WI207) unless agreed with the Project Manager.

WI 206 Noise and vibration control

The noise and vibration requirements are included in Appendix 1/9 of the Specification

WI 207 Working hours

The normal permissible working hours will be Monday to Saturday 07:00 – 19:00 and Sundays 08:00 – 17:00 excluding public holidays. Working hour restrictions may vary from site to site and will be stated in the relevant Package Order Works Information.

There may be a requirement to work extended and/or unsociable hours on projects depending on local requirements.

WI 208 Parking

Contractor vehicles should not be parked on local residential roads or on the public highway outside of the worksite without the prior written agreement of the SCC. Only vehicles, plant and machinery required to undertake the Works or planned works should be parked within the work site.

WI 209 Non-use of explosives

Explosives and blasting shall not be required or used for any part of the works.

WI 210 Restrictions on the use of hazardous materials

Restrictions and control of hazardous materials on site are included in Appendix 1/23 and Appendix 2/5

WI 211 Confidentiality

The *Contractor* does not disclose information in connection with the *works* except when necessary to carry out their duties under the contract or their obligations under the contract.

WI 212 Security and protection on the Site

Ensure reasonable steps are taken to prevent unauthorised access to site. Site boundaries to be clearly marked/defined using means appropriate to the risk such as fencing or hoarding, displaying appropriate signing.

The Contractor shall ensure that no steps, ladders or other Plant are left accessible so as to permit unauthorised access to the works

WI 213 Security and identification of people

N/A

WI 214 Protection of existing structures and services

The Designer will have made enquiries with the owner of any structure and/or Statutory Undertakers for the determination of services present in the vicinity of the Works and any impact that the Works may have upon these.

The Contractor shall verify the location of all existing apparatus and equipment prior to any excavation works. Where such apparatus and equipment is affected or undermined by the works it shall be protected and supported using methods agreed with the apparatus and equipment owners and the Project Manager.

Refer to the Package Order Site Information for the location of existing things to be protected or procedures for identifying them.

The Contractor may be required to undertake a Structural Condition survey within the Works Information for a specific Package Order.

WI 215 Protection of the works

The Contractor shall take all steps to securely guard and protect the works for the safety of any person present on site and to prevent damage to the Works during any operations taking place.

WI 216 Cleanliness of Roads

The Contractor shall take all measures necessary to prevent spillage onto roads adjoining the Site. Throughout the execution of the works the Contractor shall keep all carriageway and footway surfaces, within Public Highways which are in the Contractor's use, free from mud or any other deposit which the Project Manager determines to be a potential hazard or nuisance. The Contractor shall, at all times, provide and use suitable

equipment including mechanical road sweepers solely for the purpose of highway cleansing throughout the duration of the works.

The Contractor is to ensure that adequate facilities are available on site at all times to remove any dirt or accumulation of mud from off the highway, or any other surfaced area, as a result of the works.

Sweeping of paved and unpaved areas shall be undertaken when necessary to minimise dust.

WI 217 Condition survey

Any condition surveys that need to be carried out by the *Contractor* and any associated reinstatement works will be specified in the Works Information for a specific Package Order.

WI 218 Consideration of Others

The Authority places great emphasis on public engagement in its schemes and projects. Contractor's will need to be public focused and provide an approachable and friendly interaction with the general public whilst undertaking task's effectively and efficiently.

Everyone affected by the works should be advised before it starts. Nuisance caused by deliveries, traffic and parking should be minimised. Diversions should be clearly signed with special attention paid to the needs of pedestrians and those with sight, hearing and mobility difficulties

The Contractor shall ensure that temporary facilities, parked vehicles and Plant, stockpiled material and the like are not situated within the site areas as to adversely affect users of the Public Highway, the landowner and any stock on site.

The Contractor shall not use any existing highway as a standing area for Plant, vehicles, offices, sheds or for the storage of materials etc. without written approval from the Project Manager.

Site lighting shall be kept at the minimum brightness necessary for adequate safety and security. Lighting shall be located and directed in such a way to reduce adverse impacts to residents and local wildlife (e.g. bat roosts and bird nesting areas).

WI 219 Control of site personnel

It is the Contractor's responsibility to ensure compliance of all personnel, visitors and subcontractors with the site rules. It is, therefore, the responsibility of the Contractor to undertake mandatory training of all persons on the project, including sub-contractors and visitors, on the content and requirements of such rules.

The Contractor must ensure that all personnel, visitors and subcontractors must personally hold National Highways Sector Scheme (NHSS) and Construction Skills Certification Scheme (CSCS) accreditation(s) appropriate to their role and any activities which they will undertake.

WI 220 Site cleanliness

The Contractor shall maintain the Site in a clean and tidy state. All materials and Plant or the works shall be stored neatly and securely ensuring the landowner, public, others and any stock are kept separate and safe.

The Contractor shall clear away and remove from the sites all equipment, plant and waste of every kind to leave the whole of the site in a clean and tidy condition to the satisfaction of the Project Manager and or the Employer prior to completion of the Works.

All drains, sewers, outfalls, grips, ditches and watercourses shall be kept clear of any spoil, debris, other deposits or pollution arising directly or indirectly from the works.

The Contractor shall take all precautionary measures to ensure that any trees encountered during the works remain generally undisturbed and undamaged. When it is found essential to trim any branches or roots the Contractor shall inform the Project Manager who may arrange for the work to be carried out by a specialist. The Contractor shall be held fully responsible for any damage whatsoever to the trees caused by him.

The Contractor shall take all necessary precautions to avoid damaging the banks, walls and hedges of narrow lanes. The cost of repairing damage caused to banks and walls by the Contractor's Plant and vehicles shall be the responsibility of the Contractor.

WI 221 Waste materials

The Contractor must operate a site waste management plan as required by legislation. The Site Waste Management Plan, as provided by WRAP (Waste & Resources Action Programme), should be utilised.

The Plan must be produced to meet the specific requirements of a Works Package. The Contractor is required to demonstrate through the SWMP template that a Site Waste Management Plan complying with The Site Waste Management Plans Regulations 2008 will be operated.

WI 222 Deleterious and hazardous materials

Refer to Appendix 1/23.

WI 223 CDM Regulations 2015

The Contractor shall perform the role of Principal Contractor in line with the CDM Regulations. The Principal Designer shall be Somerset County Council unless otherwise advised in writing by the Employer.

WI 224 Contaminated Ground

Contaminated ground is not anticipated.

In the event of a visual assessment of the excavated soils suggesting the presence of Class U1B and/or Class U2 materials, The Employer shall be informed immediately and work shall be temporarily suspended in the area where the suspect soils are located. The steps to be taken are included in Appendix 6/2.

WI 225 Utility Services

All orders with Statutory Undertakers will be placed by the Employer. The *Contractor's* responsibilities relating to local service diversions are set out in Appendix 1/16. Generally, this will be to coordinate the requirements in line with the Work Package.

The Designer will have made enquiries have been made with Statutory Undertakers for the determination of services present in the vicinity of the Works and any impact upon these. The Contractor shall verify the location of all existing apparatus and equipment prior to any excavation works.

The Contractor will be required to liaise and co-ordinate with the appropriate electricity supplier for the supply, connection and disconnection of street lighting, illuminated signs and bollards, traffic signal controllers and the like.

WI 226 Archaeological requirements

Any Contractor responsibilities in dealing with Archaeological requirements and findings will be set out in the Package Order.

WI 227 Setting Out and Existing Ground Levels

The Contractor is responsible for setting out and marking existing and finished ground levels, refer to Appendix 1/12. Setting out information shall be provided by the Employer. Should the Contractor believe this to be incomplete or inaccurate the Project Manager should be notified at the earliest opportunity.

300 Contractor's design

WI 301 Design responsibility

Unless instructed by the Project Manager, the *Employer* is responsible for producing and providing all design documentation with the exception of Traffic Management plans.

WI 302 Design submission procedures

The Contractor's Submission procedure for design Data for the Contractor designed elements of the works

The Contractor shall submit to *the Project Manager*, for acceptance, all particulars pertaining to providing the Works, both in terms of design and construction details and to meet the requirements and the objectives of the Employer set out in the Works Information, and specification (collectively referred to as the 'Design Data').

The Contractor's submission for structures, structural elements and other features shall include the items described in appendices 1/10 and 1/11 and include:

- All design data
- All relevant drawings, schedules and specifications

No Design Data or any other item set out above shall be submitted to the Project Manager unless accompanied by the relevant Certificate or Certificates in accordance with the Review and Certification Procedure.

The format of all Design Data or any other items set out in above, as identified as being required to be submitted to *the Project Manager*, shall be agreed with *the Project Manager* in advance. Unless otherwise stated, all submissions to *the Project Manager* shall be in duplicate.

Acceptance of Proposals for Contractor designed elements of the works

The Project Manager shall return one copy of each submission to The Contractor endorsed as appropriate.

- "accepted" means that *The Contractor* may proceed to implementation.
- "accepted with comments" means that *The Contractor* shall amend the design or other information accompanying the certificate to incorporate all the comments by *The Project Manager*. *The Contractor* may then proceed to implementation without re-certification.
- "return unaccepted with comments" means that *The Project Manager* has not accepted the design or other information. *The Contractor* shall then revise and resubmit to *The Project Manager* with the relevant Certificate. A minimum of 28 days shall be allowed in the Programme for *The Project Manager* to review the resubmission.

Design or other information submitted with a Certificate which has been endorsed by *The Project Manager* as "accepted" shall be adhered to. The "acceptance" of a proposal shall in no way reduce or remove the liability of *The Contractor*.

Review and Certification Procedure

The Contractor shall operate a Design Certification procedure.

All Design Data, other than for Temporary Works, prepared by *The Contractor* shall be prepared by or under the supervision of *the Contractor's Designer*. *The Contractor's Designer* shall submit to *The Contractor's Checker* all Design Data in respect of those Highway Structures, the design of which is identified in the Works Information as requiring to be checked, and such other Design Data as required by the Works Information to be submitted to *the Contractor's Checker*. *The Contractor's Checker*, when satisfied that he is able to do so, shall issue a Checker's Certificate as appropriate.

Design Data for Temporary Works may be prepared by *The Contractor* or by *The Contractor's Designer* if *The Contractor* so chooses. Where required by the Works Information such Design Data shall be checked by an appropriately qualified and experienced engineer, other than the engineer who prepared the design, who shall issue, when satisfied that he is able to do so, a Temporary Works Check Certificate.

All Design Data for the Works submitted to *The Project Manager* pursuant to Section 1.3.2 shall be accompanied by the following Certificates:

- A Design Certificate (Highways Structures) in respect of Design Data relating to Highway Structures signed by *The Contractor's* designer.

The Contractor shall issue and, when satisfied that he is able to do so, *the Contractor's* Designer shall certify:

- In relation to any programme to be submitted *The Contractor* shall be responsible for ensuring the Works are constructed in accordance with the Design Data and satisfy the Works Information and the certified design proposals.

Prior to any application for a Taking Over Certificate or Maintenance Certificate *The Contractor* must submit to the *Project Manager* a Construction Certificate stating that the Works to which the requested Certificate relates have been constructed and where appropriate completed, tested, commissioned or maintained in all respects in accordance with the Works Information.

WI 303 Design approval from Others

Works may require stakeholder consultation and or temporary and permanent works approvals. The Contractor will be required to carry out works related liaison (final preparations, conducting of works, direct liaison with other authorities, other contractors, parish councils and utility companies etc.) and to comply with conditions and approvals that have been given in order for works to proceed.

WI 304 Employer's Design requirements

Not Applicable

WI 305 Drawings

Employer's Drawings are listed in Appendix 0/4 of the Specification. The Package Order will include drawings which indicate the locations for those works to be designed by the *Contractor* listed in Appendix 1/10 and 1/11.

Informatory Drawings and Information

Drawings issued in the Package Order purely for information, indicate information issued to *The Employer* by others such as utilities records, topographical survey drawings, ground investigation data and drawings.

All of the above contain information obtained during the preparation of the designs based on information provided by others. *The Employer* accepts no liability for deficiencies or inaccuracies of the information. *The Contractor* is to satisfy himself as to the accuracy of the data or drawings prior to relying upon it for any design development.

WI 306 Design co-ordination

Not applicable

WI 307 Health and Safety in Design

The Contractor may be requested to provide Early Contractor Involvement ECI and or contribute to Safety in Design at the appropriate rates.

WI 308 Requirements of Others

The Contractor is responsible for obtaining all necessary approvals/permissions, from the relevant authority e.g. Highways England, The Environment Agency, Canal and River Trust, the planning authority etc. for temporary works required by, or designed by the contractor.

WI 309 Copyright/licence

Not applicable.

WI 400 Completion

WI 401 Completion definition

Completion of the Works will not be certified until the as built drawings have been provided by the Contractor, reviewed by the Project Manager and accepted by the Employer.

WI 402 Sectional Completion definition

Sectional completion will not typically be required throughout the scheme unless specified in the Works Information for an individual Package Order.

WI 403 Final Clean

On completion of the works for any Package Order the Contractor shall remove all surplus materials including Plant, temporary traffic management and leave the Site in a clean and tidy condition to the satisfaction of the Project Manager.

WI 404 Security

Not applicable.

WI 405 Correcting Defects

Unless otherwise stated in the Works Package, the defects correction period is 4 weeks with the exception outstanding defects related to traffic signals equipment and its operation on the Site Acceptance Certificate. These are to be corrected by The Contractor within 5 working days of commissioning.

WI 406 As-Built Contract Drawings

Site record requirements are included in Appendix 14/1.

WI 500 Programme

WI 501 Programme requirements

The programme shall be in accordance with Appendix 1/13.

The Contractor shall demonstrate to the Project Manager that the Construction Phase Plan and Health & Safety File is under preparation and that appropriate method statements and risk assessments are completed prior to commencement of the Works. A period of 2 weeks shall be allowed prior to the first possession date for the Project Manager to allow confirmation of compliance with Regulation 12 of the CDM Regulations.

Constraints to be considered include *the Contractor's* requirement to liaise with and coordinate works with the various Statutory Undertakers' work. The programme should also make allowances for obtaining consents in advance of activities from various authorities including the Highway Authority and any other statutory body.

WI 502 Programme arrangement

The programme shall be in accordance with Appendix 1/13.

WI 503 Method statements

The Contractor shall produce all Method Statements required for the safe execution of the works and to the satisfaction of the Project Manager. The Contractor shall satisfy itself of the suitability of any sub-contractor Method Statements prior to passing these to the Project Manager.

Details on activities for which Contractor's method statements must be provided are included in Appendix 1/24.

WI 504 Work of the *Employer* and Others

The *Contractor* shall, at all times during the progress of the Works, afford facilities to the Public Services Authorities or their appointed agents for free access to their apparatus within the Site for whatever purpose may be required.

The *Employer* has no planned operations for the duration of the *works*.

WI 505 Progress Meetings

The Contractor shall attend progress meetings as required by the Employer and/or Project Manager for each Package Order.

WI 506 Revised programme

The programme shall be in accordance with Appendix 1/13.

WI 600 Quality Management

WI 601 Quality Management System

The Contractor shall institute and operate a quality management system complying with BS EN ISO 9001:2000 and Clause 104, full requirements are included in Appendix 1/24.

WI 700 Tests and inspections

WI 701 Tests and inspections

Testing is to be carried out at the frequency indicated in the Appendix 1/5 to the Specification for Highway Works. Except where agreed with the Project Manager, tests listed in Advice Note SA3/05 (MCHW 0.3.3) as being suitable for accreditation by UKAS shall be performed in laboratory accredited by UKAS, or equivalent, for such tests.

For each Package Order, the Contractor shall devise an Inspection and Testing Plan (ITP) regime to be included within the Quality Plan, in line with the requirements of the Specification applicable to the scope of the Package Order, which shall be agreed with Project Manager prior to commencement of the works.

Where testing is undertaken by a supplier or manufacturer in accordance with this contract, the Contractor shall ensure that the supplier or manufacturer will admit the Project Manager's representative to his premises during Normal Working Hours for the purposes of inspecting, selecting the samples and witnessing the testing.

The Project Manager may nominate an alternative Clients representative for Factory and Site Acceptance tests for traffic signals and associated equipment.

WI 702 Testing programme

The Contractors proposed testing programme shall be included in the Quality Plan (See WI 601).

WI 703 Management of tests and inspections

The Contractor shall supply to the Project Manager, when requested, within 24 hours of the completion of each test, a copy of the results. Where indicated, Laboratories / Testing Bodies shall hold UKAS accreditation for carrying out specific tests with results reported on approved test result forms or certificates.

The time between taking of samples and completion of appropriate tests shall be set out in the ITP (See WI 701) and be reasonable in all circumstances.

WI 704 Covering up completed work

The Project Manager shall be afforded the opportunity to inspect completed work before it is covered up. A minimum of 4 hours notice is required for such inspections. In the event that this opportunity is declined, the Project Manager will permit covering up to proceed but may ask for photographic evidence of the completed work.

WI 800 Management of the works

WI 801 Project team – Others

Refer to Key Persons, Contract Data Part 2.

WI 802 Communications

All communication shall be in compliance with the Contractor's Quality Management System. The cost of meeting such requirements is deemed to be included in the Prices.

Delivery of electronic communications cannot be assumed unless confirmed by read receipts.

WI 803 Document Control

Document Control shall be in compliance with the Contractor's Quality Management System. The cost of meeting such requirements is deemed to be included in the Prices.

WI 804 Progress Meetings

Details of the proposed progress meetings and the timescales of these meetings will be provided for each Package Order.

WI 805 Reporting Requirements

The *Contractor* must provide at intervals as defined in the Package Order of, and not less than monthly including the following information:

- a) Detailed reports of construction progress achieved;
- b) Details of proposed work in the following month;
- c) Details of submissions to the *Project Manager* for acceptance in the following month;
- d) An updated programme;
- e) Details of significant changes to the communications plan;
- f) Updated risk registers;
- g) Early Warnings and Compensation events identified and current status;
- h) CDM Health and safety File information as required

WI 900 Working with the *Employer* and Others

WI 901 Sharing the Working Areas with the *Employer* and Others

The Contractor's attention is drawn to the possible use of any working area by the Employer's Term Maintenance Contractors whilst engaged in the provision, erection, maintenance and removal of emergency traffic safety or maintenance measures that may be necessary whilst the works are being carried out.

Access will also be afforded to others working on behalf of the Employer or Public Service Authorities as required.

WI 902 Co-operation

The Contractor is required to take all reasonable steps to co-operate with any stakeholders affected by the works. Liaison with the Employer may be necessary in the event of requests for action from stakeholders that the Contractor considers too onerous.

WI 903 Co-ordination

It is the Contractor's responsibility to liaise with Others for the co-ordination of the works and access, and with relevant external bodies for all necessary approvals/permissions.

WI 1000 Services and other things to be provided

WI 1001 Services and other things for the use of the *Employer, Project Manager* or *Others* to be provided by the *Contractor*

The *Contractor* is not required to provide welfare facilities on site for the *Employer, Project Manager* or *Others*.

WI 1002 Providing Personal Protective Equipment for use by the *Project Manager's* staff and visitors

The *Contractor* is not required to provide the *Employer* with PPE unless the *Contractor's* requirements exceed those of *Employer*.

WI 1003 Welfare maintenance

Not applicable

WI 1003 *Project Manager, Supervisor, and the agents of the Employer* access

The *Contractor* shall allow access to all areas of the project and their offices as requested by the *Employer* or anyone acting on their behalf where it is safe to do so. Should access not be deemed safe the *Contractor* shall advise the relevant party of the earliest opportunity at which access can safely be provided.

WI 1004 People, Equipment and Material Daily Allocation Sheets

Daily allocation sheets, as described in Appendix 1/13, should be submitted each day, 1 day in arrears. The sheets may be submitted in hard copy or electronic form.

WI 1005 Accommodation and facilities for the *Project Manager* and his staff

To be read in conjunction with WI1001, requirements shall be included in the Works Information for each Package Order.

WI 1100 Health and safety

WI 1101 Health and safety requirements

On the basis of the Contractor's responses during the selection process, it is assumed that the Principal Contractor is competent to carry out Principal Contractor duties in respect of CDM 2015 and will be fully aware of the every-day health and safety hazards and risks associated with the work involved with this contract.

Pre-Construction Information is included in the Package Order.

For the avoidance of doubt, the Principal Contractor includes within his rates and prices within the Price List for all aspects of health and safety in respect of Contractor and Principal Contractor duties as set out in HSE publication L153

Any other reasonably obtainable information (e.g. risk assessments, method statements, etc for any particular project) is provided by the Principal Contractor upon request by the Principal Designer or Client, or gathered for inclusion in the Health and Safety File at no additional cost to the Client.

The Contractor must be registered with the National Highways Sector Schemes (NHSS) and Construction Skills Certification Scheme (CSCS) for the duration of the Framework.

The Contractor must demonstrate compliance with the following health and safety objectives for each Package Order:

- a) All sites where work will be carried out are to be left secure at the end of each working day such that no hazards exist for users of the Highway;
- b) To prevent death or serious injury from occurring on site
- c) To safeguard the public and maintain safe passages for all users of the highway network;
- d) Provision of adequate resources for the safe implementation of the Contract;
- e) Health and safety matters are fully addressed on site;
- f) Health and safety is to be included on the agenda of site meetings; and
- g) Promotion of the 'Considerate Constructors' ethos to prevent as far as is reasonably practicable, dust and noise nuisance and disturbance to adjacent property owners and the public in general.

Personal Protective Equipment shall be provided to meet the requirements of current legislation and the Contractors own policy.

WI 1102 Method statements

The Contractor shall demonstrate to the Project Manager that the Health and Safety Plan is under preparation and that appropriate method statements and risk assessments are completed prior to commencement of the Works and are provided no later than 2 weeks prior the possession date.

WI 1103 Legal requirements

Details of road classification, Traffic Regulation Orders (TRO)s), Tree Preservation Orders (TPOs), Statutory Consultee consents/approvals etc. will be detailed in the Package Order.

WI 1104 Inspections

Inspection of the *Works* is intended to be continuous during construction. The *Contractor* shall ensure that access is available for the Project Manager to carry out inspections deemed necessary. Particular inspections or tests e.g. traffic signal Site Acceptance or Factory Inspection tests are referred to in the appropriate appendix to the Specification.

WI 1200 Subcontracting

WI 1201 Restrictions or requirements for subcontracting

The Contractor must undertake an assessment of the subcontractor's quality assurance and quality control capabilities, the identification and implementation of additional controls needed on them to fulfil the Contractor's obligations in respect of quality assurance, monitoring arrangements and the review and acceptance of "deliverables".

The Contractor must be able to demonstrate to the Employer that any sub-contractor can comply, through the management of the Contractor, with the requirements of the Works Information in full.

The supply and installation of traffic control equipment in Somerset shall only be undertaken by a Specialist Traffic Signal Installation Sub-Contractor approved by The Employer. The list of approved Traffic Signal equipment suppliers, installation and maintenance contractors is;

Dynniq UK
Hazelwood House
Lime Tree Way
Chineham Business Park
Basingstoke
RG24 8WZ

Telent
Point 3
Haywood Road
Warwick
CV34 5AH

Siemens Mobility, Traffic Solutions
Sopers Lane
Poole
Dorset
BH17 7ER

APPENDIX A

DRAWING NO.	REV	DRAWING TITLE:
300 Series: Fencing		
SD-0300-035	-	Fencing Pedestrian Guardrails
SD-0300-036	-	Fencing High Visibility Pedestrian Guardrails
SD-0300-040	-	Badger & Otter Proof Fencing
SD-0300-041	-	Badger Proof Fencing & Reptile Proof Fencing
SD-0300-042	-	Featherboard Close Board Fence With Timber Posts Un-Morticed
SD-0300-043	-	Wooden Hoarding Fence
500 Series: Drainage and Ducts		
SD-0500-001	-	Typical Gully to Gully Connection Detail
SD-0500-002	-	Precast Drainage Gully
SD-0500-050	A	Marshalls Mini Beany Block Outfall Chamber
SD-0500-051	A	Marshalls Mini Beany Block Silt Trap Detail
SD-0500-052	-	Kerb Drainage: Type 1 Details
700 Series: Road Pavements		
SD-0700-010 - NB	A	Porous Asphalt Typical Detail
SD-0700-001	A	Pavement Construction Details Sheet 1 of 5
SD-0700-002	A	Pavement Construction Details Sheet 2 of 5
SD-0700-003	A	Pavement Construction Details Sheet 3 of 5
SD-0700-004	-	Pavement Construction Details Sheet 4 of 5
SD-0700-005	A	Pavement Construction Details Sheet 5 of 5
SD-0700-006	-	Pavement Construction Carriageway Tie In with Reinforced Grass
SD-0700-010	A	Porous Asphalt Typical Detail
SD-0700-019	-	75mm High Round-Top Road Hump with Drainage Channels
SD-0700-020	A	Speed Cushion Construction Details
SD-0700-022	-	Speed Table Details
SD-0700-022	A	Speed Table Details
SD-0700-101	A	Rolling Crown Details Sheet 1 of 4
SD-0700-102	A	Rolling Crown Details Sheet 2 of 4
SD-0700-103	A	Rolling Crown Details Sheet 3 of 4
SD-0700-104	A	Rolling Crown Details Sheet 4 of 4
SD-0700-105	A	Switching Crossfalls Sheet 1 of 2
SD-0700-106	A	Switching Crossfalls Sheet 2 of 2
1100 Series: Kerbs and Footways		
SD-1100-001	-	Kerbing Types, Foundations & Backing Details Sheet 1

		of 3
SD-1100-002	-	Kerbing Types, Foundations & Backing Details Sheet 2 of 3
SD-1100-003	-	Kerbing Types, Foundations & Backing Details Sheet 3 of 3
SD-1100-004	-	Kerbing Types Typical Section Through Kerb & Channel
SD-1100-005	-	Footway, Vehicular and Agricultural Field Access
SD-1100-006	-	Standard Kerbing Arrangements Sheet 1 of 2
SD-1100-007	-	Standard Kerbing Arrangements Sheet 2 of 2
SD-1100-008	-	Kerbing Types Chasing in Details
SD-1100-010	-	Footways & Paved Areas Construction Areas Sheet 1 of 3
SD-1100-011	-	Footways & Paved Areas Construction Areas Sheet 2 of 3
SD-1100-012	-	Footways & Paved Areas Construction Areas Sheet 3 of 3
SD-1100-013	-	Typical Section through Footway Buildout
SD-1100-014	-	Standard Kerbing Bus Stop Kerb Arrangement
SD-1100-017	-	Uncontrolled Dropped Crossing Point
SD-1100-017	A	Uncontrolled Dropped Crossing Point
SD-1100-017	B	Uncontrolled Dropped Crossing Point
SD-1100-018	-	Ladder & Corduroy Paving Types & Details Sheet 1 of 2
SD-1100-019	-	Ladder & Corduroy Paving Types & Details Sheet 2 of 2
SD-1100-020	-	Crossing Point Types & Details Sheet 1 of 2
SD-1100-021	-	Crossing Point Types & Details Sheet 2 of 2
SD-1100-022	-	Narrow Refuge Islands (1.2m up to 2m wide) without Pedestrian Facilities
SD-1100-023	-	Narrow Refuge Islands (1.2m up to 2m wide) with Pedestrian Facilities
SD-1100-024	-	Wide Refuge Islands (greater 2m wide) with Pedestrian Facilities
SD-1100-025	-	Pedestrian Refuge Island: Pedestrian Guardrail & Radius Kerbs
SD-1100-026	-	Pedestrian Refuge Island: Pedestrian Guardrail & QHB Kerbs
SD-1100-027	-	Pedestrian Refuge Island: Trief Refuge
SD-1100-028	-	Pedestrian Refuge Island: Trief Kerbs Sections
SD-1100-029	-	Pedestrian Refuge Island: Brick Wall Island
SD-1100-030	-	Pedestrian Refuge Island: Brick Wall Island Sections
1100 Series: Traffic Signs		
SD-1200-001	-	Post Width & Foundation Information
SD-1200-002	A	Concrete Sign Foundation Type A
SD-1200-002	B	Concrete Sign Foundation Type A
SD-1200-003	A	Concrete Sign Foundation Type B
SD-1200-003	B	Concrete Sign Foundation Type B
SD-1200-004	A	Concrete Sign Foundation Type C
SD-1200-004	B	Concrete Sign Foundation Type C
SD-1200-005	-	Concrete Sign Foundation Type D & E

SD-1200-020	-	Cycle Markings Cycle Off Slip COS1
SD-1200-021	-	Cycle Markings Cycle On Slip COS2
SD-1200-022	-	Cycle Markings Cycle Off Slip COS3
SD-1200-023	-	Cycle Markings Cycle On Slip COS4
SD-1200-024	-	Cycle Markings Cycle On/Off Slip COS5
SD-1200-025	-	Cycle Markings Cycle On/Off Slip COS7
SD-1200-027	-	Ensign Bollard
SD-1200-028	-	Mini Ensign Bollard
SD-1200-029	-	Ensign Bollard ' End of Route' Sign - 965
SD-1200-030	-	Parallel Pedestrian and Cycle Crossing Point
SD-1200-040	A	Base Light Unit for 606 and Chevrons
SD-1200-040	B	Base Light Unit for 606 and Chevrons
SD-1200-041	-	Marker Post & Foundation Information
SD-1200-050	-	Tranverse Yellow Bar Markings with Slow Road Markings
SD-1200-053	A	40 or 50 mph Gateway Roundel (7500 Long) Single Direction - Two Lane with Red APD
SD-1200-056	A	Countdown Markers 3, 6 & 9 with Carriageway Roundels TSRGD Diagram 1065 Variant
SD-1200-201	A	Typical Lighting Column Foundation Sleeve
3000 Series: Landscape and Ecology		
SD-3000-001	-	Tree Pit In Paved Areas
SD-3000-001	A	Tree Pit In Paved Areas
SD-3000-002	-	Nicospan and Backties