

SECTION 9 - MODIFICATIONS AND NEW INSTALLATIONS

9.1 General Clauses

- 9.1.1 The standards for modifications and new installations are detailed in Appendix 1 - Traffsig 1F or subsequent documents.
- 9.1.2 Additional requirements to Appendix 1 - Traffsig 1F for modifications or new installations are set out in this Section 9.
- 9.1.3 As a part of this Contract the Service Manager will require the Contractor to carry out modification and or installation work at new or existing sites throughout the Service Manager's area of responsibility.
- 9.1.4 This document describes some additional requirements for the installation, supply, replacing, dismantling, commissioning, and de-commissioning of traffic control sites within the contract area and shall form part of the Maintenance Contract for this area.
- 9.1.5 This part of the Contract is to enable the Service Manager to install, supply, replace, and dismantle Intelligent Transport Systems at new and existing traffic control sites to its required standard.
- 9.1.6 The Contractor is to agree a Draft Programme with the Service Manager at their regular meetings or by email etc., with an absolute minimum of 5 Working Days notice, of:-
 - a) The date, and anticipated time, they intend starting work, giving as many details as possible, including a proposed traffic management plan of the type of work to be carried out;
 - b) The date, and time, of commissioning, giving an invitation to attend and witness same.
- 9.1.7 The Contractor will, if necessary, visit each site with the Service Manager, to construct the Schedule of Rates for that particular location. The cost of any site visit shall be included in the rates.

Civil Engineering Works

- 9.1.8 It will be decided at the time of constructing the Schedule of Rates whether any civil engineering work is to be carried out by the Contractor or by a Third Party. It is unlikely that the Contractor will be required to carry out civil engineering works on new sites but the Service Manager may require the Contractor to provide civil engineering for maintenance tasks as detailed in Section 7 of this Specification and for the tasks of controller replacements, pole replacements, loop box replacement and any other minor civil engineering task as a result of third party damage.
- 9.1.9 The Contractor shall base his prices for slot cutting in normal asphalt and extra provisional items have been included for slot cutting in concrete carriageways. The Contractor shall contact the Service Manager if concrete is encountered during slot



cutting in order that the length in question can be verified if the Service Manager so wishes.

- 9.1.10 The Contractor shall be responsible for obtaining the agreement to proceed at any particular day, date, or time, with the Police and the appropriate local highway authority or agent authority as defined in the Bournemouth Christchurch and Poole Council Permit Scheme (BCPCPS) or Dorset Council Permit Scheme (DCPS), and hereinafter referred to as the 'Permit Scheme', is made under Part 3 of the TMA and the Traffic Management Permit Scheme (England) Regulations 2007, (the Regulations) including the issuing of any PERMIT notice via the appropriate version of STREET MANAGER if required by the Service Manager. Applications to be made in STREET MANAGER (online) in the first instance for each authority:

BCP Permits email: permitscheme2@bcpcouncil.gov.uk Tel: 01202 128369
Street Works Team
BCP Council
Bournemouth Civic Centre
Bournemouth
BH2 6EA

Dorset Permits email: trafficteam@dorsetcouncil.gov.uk Tel: 01305 221854
Traffic Team
Dorset Council
County Hall
Dorchester
DT1 1XJ

- 9.1.11 Each Council will supply permit boards to display the relevant permits notice numbers on.
- 9.1.12 All current New Roads and Street Works Act (NRSWA) and Traffic Management Act (TMA) legislation, codes of practice, etc. and any future amendments to that legislation, apply to this Permit Scheme.
- 9.1.13 The scheme will operate in accordance with the HAUC (England) Guidance. Operation of Permit Schemes (February 2017) and the Statutory Guidance for Highways Permit Schemes (October 2015).
- 9.1.14 The contractor is responsible for obtaining any Statutory Undertakers plant plans by issuing C3 notices to each prior to any works being undertaken.

Commissioning

- 9.1.15 The Service Manager is not to be called out to commission the individual site or sites until the Contractor is confident that the site is ready to be commissioned in all respects, including the removal of any traffic management required to facilitate commissioning of the site.
- 9.1.16 The Contractor must give a minimum of 48 hours notice to the Service Manager that the site or sites are ready for commissioning. All pre-commissioning tests must have been carried out and any remedial works identified completed prior to the Service



Managers arrival on site.

- 9.1.17 When the Service Manager attends to commission a site and the installation is not ready at the prescribed time, and if after a further period of one hour the site is still not ready to commence commissioning, the Service Manager shall be entitled to claim a Service Credit.
- 9.1.18 If the fault, or delay, at the time of commissioning (in the opinion of the Service Manager) is outside the control of the Contractor then the Service Credit shall be waived.
- 9.1.19 It shall be agreed at the time of the 'Taking Over' whether the Service Credit is to be invoked and is to be noted as such, with the amount of subsequent time, including the reason for the delay, upon the Take Over certificate.
- 9.1.20 The Contractor is to provide suitable equipment to protect both the equipment and the Service Manager from the effects of inclement weather when testing or commissioning the site. The cost of this protection shall be inclusive within this Contract.
- 9.1.21 The Contractor shall commission the site in the presence of the Service Manager, the relevant Authority's Representative or in special circumstances on behalf of the Service Manager.
- 9.1.22 The cost of commissioning of all items listed in the Schedule of Rates is to be included within the rate quoted.

Contract Manager

- 9.1.23 The Contractor shall appoint a Contract Manager responsible for project administration and co-ordination and for liaison on a regular and ad-hoc basis with the Service Manager and the Contractor's organisation on all aspects of this part of the Contract. This manager may be the same person nominated under the Maintenance sections of this Contract by the Contractor.

EPROM Configuration

- 9.1.24 The Contractor may be required, as part of the junction controller installation or modification, to provide 2 copies of the completed specifications (compiled from the TOPAS 2500 or MCH1827B data sheets supplied by the Service Manager) and the configured EPROM or electronic controller configuration data files for each individual site.
- 9.1.25 The Contractor is to provide a factory acceptance test (FAT) of each EPROM or electronic configuration data file configured. The data necessary to enable the Contractor to configure the EPROM's will be supplied by the Service Manager.
- 9.1.26 The Contractor will be required to supply configured EPROM's or electronic configuration data file for the range of equipment suppliers used by the Service Manager.



- 9.1.27 Where the Contractor does not have the equipment, or capability, to configure a third party's EPROM or electronic configuration data file, this work may be sub-contracted with the approval of the Service Manager at the time of letting the Contract. The Contractor shall set out in his Draft Method Statement how this requirement will be met.

Take Over Requirements

- 9.1.28 As part of the 'Taking Over' requirements the Contractor shall provide the Service Manager with 'As Built Site Layout Drawings' (SLD) and an electronic copy as per Appendix 1 - Traffsig 1F, if requested. Every effort is to be made by the Contractor to ensure that a draft copy of this plan is available at the time of 'Taking Over', and all other matters completed as per Appendix 1 -Traffsig 1F.

Testing and Installation Requirements

- 9.1.29 Loops and feeders shall be tested, as per the relevant section of Appendix 1 - Traffsig 1F, by the Contractor at the time of installation of the complete detection system and a certificate presented to the Employer at the time of commissioning giving the results of the tests.
- 9.1.30 Any OMU, OTU, LMU and SOS (Stratos Out Station), Broadband Router, mobile router 3G,4G,5G or other type of communication device, which is installed by the Contractor shall, as part of the testing, be proved (with the co-operation of the Service Manager situated at the in-station) to ensure that the communication device is configured and communicates satisfactorily.
- 9.1.31 The Contractor is to notify the Service Manager, immediately if there is a problem with the communication and liaise with the relevant communication company and 'prove' the link between the out-station and in-station.
- 9.1.32 Details of the input and output configuration must be provided to the Service Manager prior to the commissioning of the equipment and must be to the format as prescribed by the Service Manager.

Traffic Management measures during Road Works

- 9.1.33 The Contractor shall provide courtesy, or information boards, so as to inform the public of the type of the works being undertaken at the site. Sufficient signs shall be supplied to cover all approaches to the works.
- 9.1.34 The material for the sign face (the border, sign background, and lettering) is to be of Class 1 specification. The black lettering (62.5mm 'x-ht', and 'Transport Heavy' font) is to be upon a yellow background with black border.
- 9.1.35 The manufacture process, and material specification, must conform to BS EN 12899-1; 2001 UK standard from 01/01/2006.

- 9.1.36 The legend for each sign will read as follows;

Traffic Control Works
undertaken for and on behalf of
Authority Name

Contact: - Contractor
Telephone *****
Authority Name
Telephone *****

The layout of the sign to be agreed by the Service Manager prior to manufacture one month before the commencement of the Contract.

- 9.1.37 The Contractor shall provide his own safety signing and coning to the required standards or sub-contract, subject to approval by the Service Manager, unless this is to be provided by the civil engineering contract as part of a new build site.
- 9.1.38 If the Contractor is required to maintain signing and guarding at night, extra provisional items have been allowed in the Schedule of Rates, to provide for the additional illumination of the signs and the immediate work area.
- 9.1.39 If the Contractor is required to establish traffic management and safety signing to above 30mph standard, extra provisional items have been allowed for in the Schedule of Rates.
- 9.1.40 Random inspections of the standards of signing and coning (to the current edition of the Department for Transport's Traffic Signs Manual, Chapter 8) as well as safety clothing and equipment will take place.
- 9.1.41 If errors in the setting out of the traffic management or safety signing cannot be rectified immediately then work will be stopped by any authorised party such as the Service Manager, the Local Agent Authority, or the Police. Curtailment of the works because of the above shall be at no cost to the Employer.