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| **Specification and scope of works** | |
| **Replacement of Town Centre Video Surveillance system in Warminster and Westbury**    **For**  SLCC | Park and Open Spaces Supervisor | |
| Date:  Ref: | 25 Apr 2022  21.WTC.1595.Rev A |
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# Revision Record

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# General

## Existing Situation

The Video Surveillance System (VSS) installations in Warminster and Westbury were originally installed in the late 1990’s and have been extended and upgraded to the systems that are operating today. Since the original installation the cost of maintaining the systems has increased and the performance has decreased in comparison to what is available in the market today. As a consequence, Warminster Town Council are now seeking quotations to upgrade the existing systems and the creation of a new control room.

## The Client(s)

The Video control room is located in Warminster where most cameras are also located. The system is operated by Warminster Town Council (WTC) on behalf of themselves plus Westbury Town Council and the West Wilts Trading Estate just outside Westbury. The upgrade and relocation of the control room will be managed by WTC on behalf of the three parties. However, payment for each element will be made by each party independently in accordance with the payment terms set out in the “Instructions to tenderers” which accompanies this document.

## Existing Systems Overview

The existing VSS installations comprise a total of 38 cameras that are capable of being monitored within the Warminster VSS control room in Dewey House. These are as follows:

* Warminster 22
* Westbury Town 12
* West Wilts Trading Estate 4

The majority of these are Pan, tilt, zoom cameras with signals transmitted back to the control room over BT analogue fibre circuits. The quality of images from the cameras varies but in many cases, they do not provide sufficient detail for identification of persons or vehicles during day and night.

The existing VSS is monitored in Dewey House in the centre of Warminster. The control desk and video wall were originally designed to accommodate CRT monitors and so are large and bulky. The monitors have since been upgraded but the original furniture is still in place. This is now dated, takes up too much space, and no longer suitable for a modern control room operation.

## The Proposed upgrade works

The proposed upgrade will include the replacement of existing cameras, transmission, recording and monitoring equipment and the provision of new equipment based upon IP technology and wherever possible to use transmission methods not requiring the use of BT analogue fibres. Because the cameras are widely dispersed around each town, to achieve this will require the use of a wireless network, or Mesh network. There will also be one additional camera added in Warminster and one added in Westbury.

The existing control room at Dewey House will be closed and a new control room opened in the existing community hub in Warminster town centre.

The existing PTZ cameras will be replaced with high resolution multi sensor cameras comprising either three or four independent sensors in a single housing.

## Specialist Security Contractor

The works described within this scope of works shall be carried out by a specialist security contractor with experience of designing, installing, and maintaining the type of works described in a similar historic house context.

The specialist contractor shall be an approved contractor by a UKAS accredited security inspectorate company The contractor shall be an approved contractor in respect of the types of works described and provide details of at least three similar projects carried out in the last three years.

## References

The specialist contractor will be required to provide references and contact details for similar contracts carried out in the last three years, which may be taken up at the discretion of the project team.

## Supporting Documentation

This document must be read in conjunction with the following accompanying documents and drawings.

* WTC Instructions to tenderers

## Tender Documentation

The specialist contractor should submit a tender return that details the following:

1. Detailed specification describing the total extent of the coverage of the systems, the integration of separate elements and principals of operation.
2. Details of the manufacturer and model number of each principal item of equipment proposed and quantities of equipment that will be supplied.
3. A schematic drawing of the proposed system design for each system element.
4. Compliance statement confirming full compliance with the requirements of this scope of works.
5. A programme of works indicating areas of work, anticipated start and completion dates that takes into account the requirements to move the collection set out in Appendix C.
6. Completed pricing schedule.

## Method Statements

The specialist contractor shall provide a Method Statement and Risk Assessment for all major aspects of the works for approval by the WTC representative. This will include but not be limited to operations that include; working at height, working on “live” electrical equipment, working in areas accessible by the public.

## Site Survey

It is essential that each contractor should visit site to carry out a site survey to ensure they are completely familiar with the building and local environment prior to submitting a tender submission. Following the initial expression of interest one or more site survey visits will be arranged for potential bidders.

## System Demonstration

Following a review of the initial tender submissions WTC will select one or more of the most attractive proposals and ask for a demonstration of the proposed solution either at Warminster Town Council or another agreed location where the system is already in use.

## Pricing Schedule

The security specialist should provide a fixed price, fixed in accordance with the main contract terms, to carry out the design, supply and installation of the complete security system as set out within this document and to suit the buildings as indicated on the drawings provided.

Costs for preliminaries, the provision of record drawings, manuals and first year warranty should be provided as separate items within the pricing schedule.

## 

## Applicable Standards

The security installations shall comply with all relevant British/European standards where applicable. These will include but not be limited to the following:

1. BS 4737-1 Intruder alarm systems in buildings
2. BS 4737-2 Intruder alarm systems in buildings
3. BSEN 50131: 2006 standard in accordance with PD6662:2010 and BS8243
4. BS EN 50136-1-1/2/3/4/5 Alarm systems – Alarm transmission systems and equipment
5. British Standard DD243 Code of Practice for intruder alarm systems signaling to alarm receiving centers.
6. BS 8418:2015+A1:2017. Installation and remote monitoring of detector activated VSS systems. Code of practice
7. ACPO Intruder Alarm Policy
8. BS EN 50132-7:2012 (alarm systems. CCTV surveillance systems for use in security applications. Application guidelines) .
9. BS 7671:IEE wiring regulations.
10. BS8220 Guide for security of buildings against crime.
11. Data Protection Act 1998 – CCTV Code of Practice

## Data Protection

The specialist contractor shall ensure that the VSS system complies with the provisions of the General Data Protection Regulations and “Information Commissioners Office – VSS code of practice” where this relates to the designer/installer/supplier.

The contractor shall supply and install appropriate signage and logbooks (to be provided as part of system operation and maintenance manual) to comply with the requirements of the Code of Practice.

The digital recording system shall include a detailed audit trail facility which records all activity carried out by operators and administrators. The audit trail facility shall record the details of all images accessed, with time and date and details of the actions carried out.

## Design Responsibility

This scope of works sets out the performance requirements for the work described herein. The specialist contractor shall assume full responsibility for the design, installation and commissioning of a complete working system unless otherwise specified. This responsibility shall include the adoption of existing systems and equipment.

## Proprietary Equipment

The systems, equipment and any associated software proposed by the contractor must be the current specification equipment from the manufacturer and where relevant use the most recent version of any software.

All equipment and associated software proposed by the contractor must be non-proprietary equipment commercially available on the open market with no restriction or conditions of purchase. The equipment and spares for the equipment must be available for purchase by any contractor that may be chosen by the client to service and maintain the system in the future.

The specialist contractor shall clearly state within their tender return the manufacturer and model number for all equipment, which they propose to install as part of the security installation.

A sample of all items of equipment to be installed shall be submitted by the specialist contractor for approval prior to the commencement of the installation works.

## Included Works

The specialist contractor shall include for the provision of all design, planning and liaison with other specialist contractors, consultants, and project representatives.

The specialist contractor shall include within their price for the provision of samples and technical literature for approval, working drawings, builders work drawings, programmes, supervision of labour, and setting out of works.

The specialist contractor’s price shall include for the detailed design of the systems and the supply and installation of all works and equipment required to provide a fully working system in accordance with the scope of works and tender drawings. It shall include for equipment delivery to site, off-loading, storage, installation of all necessary containment, wiring into containment, installation of equipment, final connections, integration with other systems, testing and commissioning.

The works shall include trenching, civil engineering works, mains power supplies, refilling and making good throughout. Any oversights will be deemed to be the responsibility of the contractor to complete at their own cost.

The specialist contractor shall include for the provision of training of staff on the operation of all systems, the provision of record versions of all schematic and layout drawings, and the provision of operation and maintenance manuals in accordance with the specification requirements.

## Provision for Expansion

Throughout the security systems the contractor shall make provision for the possible future expansion of the systems. In general, a 25% allowance shall be made for future expansion unless otherwise stated. The 25% expansion capacity shall be provided in the form of space within racks and cabinets for the installation of additional hardware to accommodate expansion for the installation of additional cameras. A 10% allowance for expansion shall be incorporated within all hardware wiring and containment so that additional cameras may be installed without the addition of any hardware or wiring within the system infrastructure. The expansion provision shall be provided throughout the system up to the connection point for each individual element.

## Software and Equipment Licences

The specialist Contractor shall include for all necessary software and equipment licences and detail separately the one off, annual or recurring cost of all such licences.

## Operator Training

The specialist contractor shall carry out training of designated staff and/or volunteers in the operation of the systems and equipment to be installed.

The duration and structure of the training sessions shall be determined by the specialist contractor to ensure that all staff receive sufficient training in the systems they are required to manage or operate.

It is anticipated that at least two separate operator training sessions will be required.

An outline-training schedule shall be provided with the tender submission setting out the scope and duration of the training programme.

## Alternative Products or Suppliers

The specialist contractor may offer alternative products of equivalent or better performance than those specified herein. If alternative products or suppliers are proposed these should be offered with a clear description of the alternative product, the reason for offering an alternative and any benefit that would result from the use of the alternative products.

## Registration with Police and Remote Monitoring Centres

The specialist contractor shall be responsible for the application for Unique Reference Numbers (URN’s) for the intruder detection system (IDS) to be installed for the control room.

The contractor shall also arrange for the monitoring of the IDS at an approved Alarm Receiving Centre/Remote Monitoring Centre.

## Errors and Omissions

The tender documents have been prepared with the latest information available at the time, however it is possible for errors and omissions to occur. If any errors or omissions are found within the documentation or drawings these should be brought to the attention of the design team immediately for clarification.

# Description of works

## Overview

The VSS works will include the detailed design, supply, installation and commissioning of an upgraded VSS system including replacement of the existing recording and monitoring equipment, the provision of remote monitoring capability, the creation of a new IP network, and the supply and installation of four new fixed cameras.

The cameras will be installed in Warminster town centre, Westbury Town centre and the West Wilts trading estate in Westbury.

## VSS objectives

The main objectives of the security systems to be installed in Warminster and Westbury with a means to provide the following services:

* Detect and deter crime
* To support policing of the designated areas
* To support the respective councils and landowners in reducing crime
* Protection of life, property and goods
* To record activity in and around the monitored areas
* To assist the management and control of any emergency incidents.

## VSS overview

A new VSS will be installed comprising of a new control room with monitoring and recording equipment based in the Community hub in Warminster town centre. The control and monitoring system will comprise a two-person monitoring desk with an additional workstation for the control room Manager.

VSS cameras shall be installed as follows and described in Appendix A:

### Camera 01 (On lighting column outside Esso filling station at junction of East Street and East End Lane)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless network using relay points to camera 2 for network connection.

### Camera 02 (On dedicated column at junction of Station Road and Market Place.

### Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless network using relay points to camera 3 for network connection.

### Camera 03 (On building opposite Weymouth Street junction)

### Remove existing camera, replace with new mutisensor IP camera. Hardwire to rear of building and transmit to Community centre using wireless transmission

### Cameras 04 (On dedicated column at junction of High Street and The Close)

* Remove existing camera, replace with new mutisensor IP camera. transmit signal to camera 3 via relay points on lighting column for network connection.

### Camera 05 (On dedicated column at junction of High Street, George Street and Portway)

* Remove existing camera, replace with new mutisensor IP camera. transmit signal to camera 3 via relay points on lighting column for network connection.

### Camera 06 (On dedicated column at junction of George Street and Sambourne Road)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal to camera 5 via relay point on lighting column for network connection.

### Camera 07 (On lighting column in Silver Street, opposite Vicarage Street.)

* Remove existing camera in Emwell Street. Install new mutisensor IP camera on column in Silver Street, opposite Vicarage Street. Transmit signal to camera via relay point on lighting column to camera 6 for network connection.

### Camera 08 (On dedicated column in car park at rear of Library)

* Replace Remove existing camera, replace with mutisensor IP camera. Transmit signal Control room via wireless transmission.

### Camera 09 (On lighting column at junction of Imber road and Fairfield Road)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal Camera 38 via wireless relay for network connection.

### Camera 10 (On dedicated column in pleasure Gardens)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal to Camera 11 for network connection.
* Provide 4 x additional IR panels to illuminate area around camera location

### Camera 11 (On dedicated column at rear of new splash pool in pleasure Gardens)

* This Remove existing camera, replace with new mutisensor IP camera. Transmit signal Camera 13 or network connection.
* Provide 4 x additional IR panels to illuminate area around camera location

### Camera 12 (On dedicated column at rear of skate park in pleasure Gardens)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal to Camera 11 for network connection.
* Provide 4 x additional IR panels to illuminate area around camera location

### Camera 13 (On lighting column at junction of Weymouth St and Morrisons car park entrance)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal via relay in Weymouth Street to camera 3 position for network connection.

### Camera 14 (On dedicated column at rear of car park adjacent to The Avenue)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal Camera 8 via wireless relay for network connection.

### Camera 15 (On dedicated column in car park outside Town Council Office)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal to Camera 13 via wireless relay for network connection.

### Camera 16 (On lighting column in Portway)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal to Camera 13 via wireless relay for network connection.

### Camera 20 (On Dewey House)

* Remove existing camera and associated equipment.

### Camera 33 (Three Horseshoes Walk)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal to Control room over direct network connection to camera 36 position for network connection.

### Camera 34 (Three Horseshoes Walk)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal to Control room over direct network connection to camera 36 position for network connection.

### Camera 35 (Three Horseshoes Walk)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal to Control room via direct network connection to camera 36 position for network connection.
* Provide 3 x additional IR panels to illuminate area around camera location

### Camera 36 (Rear of Boots store)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal to Control room over wireless link
* Provide 3 x additional IR panels to illuminate area around camera location

### Camera 37 (Three Horseshoes Walk)

* Remove existing camera, replace with new vandal resistant IP fixed camera. Transmit signal to Control room via direct network connection to camera 36 position for network connection.

### New Camera (38) (Station Road Junction with Fairfield road)

* Install new mutisensor IP camera. Transmit signal to Community Hub via wireless relay for network connection.

### New Camera (Warminster Community Hub)

* Install new vandal resistant IP fixed dome camera with integral IR illumination and provide direct connection to VSS network.

### New Camera (Warminster Community Hub)

* Install new vandal resistant IP fixed dome camera with integral IR illumination and provide direct connection to VSS network.

**Westbury Town Cameras**

### Camera 17 (On lighting column at junction of Station Road, Hayes Road and West End)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 23 for network connection.

### Camera 18 (On building in Market Place)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 25 for network connection..

### Camera 19 (On dedicated column on edge of Grassacres Park)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 23 for network connection.

### Camera 21 (On dedicated column on edge of car park off Warminster Road)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 31 for network connection..

### Camera 22 (On dedicated column on edge of High Street Car Park)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 23 for network connection.

### Camera 23 (On end of Sheltered Housing building)

* Remove existing camera, replace with new mutisensor IP camera. Connect to Warminster control room network over IP fibre link.

### Camera 24 (On dedicated column in garden at end of pedestrian precinct.)

* Remove existing camera, replace with mutisensor IP camera Transmit signal over wireless link using relay points to Cam 23 for network connection..

### Camera 25 (On dedicated column at west end of Maristow Street)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 23 for network connection.

### Camera 26 (On dedicated column at junction of Market Place and Trowbridge Road)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 25 for network connection.

### Camera 31 (On building at corner of Haynes Road and Warminster Road)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 17 for network connection.

### Camera 40 (Leigh Park at Mane Way roundabout)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link to Community Centre for network connection.

### Camera 41 (Leigh Park, local centre car park)

* This existing camera is to be incorporated within the system for recording and monitoring purposes.
* Provide 3 x additional IR panels to illuminate area around camera location

### New Camera (Penleigh skate park)

* Install new mutisensor IP camera on new 5m column at agreed location adjacent to skate park. Transmit signal over wireless link to Community Centre using relay points as required for network connection.
* Provide 4 x additional IR panels to illuminate area around camera location

**West Wilts Trading Estate Cameras**

### Camera 27 (On dedicated column at junction of Quartermasters Road and Storridge Road)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal to Warminster control room via direct IP Fibre network connection.

### Camera 28 (On dedicated column at junction of Headquarters Road and Storridge Road)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 27 for network connection.

### Camera 29 (On dedicated column on Quartermasters Road adjacent to Estate Office)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 27 for network connection.

### Camera 30 (On dedicated column on Link Road opposite Cory Way)

* Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 29 for network connection.

## VSS System design

The specialist contractor shall develop the design, provide, install and commission a complete system comprising cameras, lenses, camera enclosures, camera mounts, server (virtual matrix) equipment, colour LCD/TFT monitor, digital video recording etc., to achieve video surveillance of the areas as identified within this scope of work.

## VSS monitoring and control

The new VSS Control Room will be located on the first floor of the Community Hub. It will comprise of:

* Two-person control desk, positioned in front of a frame mounted 3 x 2 tier Video Wall.
* Equipment cabinet containing servers, fibre patch panel, video storage and any other VSS related equipment.
* 1 x Manager position (No dedicated furniture required)
* 2 x Operator chairs
* 6 x 64” flat panel monitors mounted on a free standing frame

Each control position shall comprise a workstation including:

* 2 x Spot monitors
* 1 x Control monitor
* 1 x keyboard and mouse

The control desk shall also incorporate:

* Police airwave radio (By others)
* Intercom receiver from entrance door

The CCTV Manager position shall comprise a workstation including:

* 1 x Spot monitors
* 1 x Control monitor
* 1 x keyboard and mouse

## The VSS system

The VSS system shall be designed and manufactured as a live video monitoring, recording and retrieval system with intuitive, easy to use operator interfaces.

The system shall allow multiple users to operate cameras simultaneously with no degradation of performance.

The system shall include the ability to use video analytics to assist operators in detecting and monitoring specific types of activity. This shall include presence detection in certain areas at certain times. Unusual activity such as vehicles in pedestrian only areas.

The system shall also be capable of the addition and use of further advanced technologies in the future such as recording, and monitoring of body worn video, facial recognition, or number plate recognition.

The system shall be configured to record images at a rate equivalent to the following:

* All areas - 6 images per second at all times except on detection of motion.
* All areas - 25 images per second on detection of motion within the field of view of the camera.
* Video storage shall be provided to allow images to be stored for a minimum of 50 days.
* All images to be recorded at a resolution of equal to or greater than 1080P

## The VSS cameras

The VSS system shall be designed around the use of multi head cameras incorporating multiple image sensors which will be configured to record the specified scenes continuously regardless of the operators specific focus of attention.

The VSS system images must provide sufficient detail for identification of persons and vehicles during the day and night.

These will be compatible with the operating system and incorporate either three or four image sensors per camera.

## VSS network infrastructure

Wherever possible a wireless network shall be provided to reduce the cost of fibre optic transmission rental.

The contractor shall design the exact nature of the wireless network to ensure high quality data transmission.

New IP fibre network connections will be required at the following location to transmit to the Warminster Control Room:

* Westbury Sheltered Housing block adjacent to camera 23
* West Wilts trading Estate, in cabinet adjacent to camera 27
* Leigh Park community Centre, Westbury

The contractor shall obtain costs for any Fibre Optic connections, where required and include these within the cost schedule submitted or state where existing infrastructure is suitable for use.

## VSS Power supplies

The contractor shall provide power for all cameras and associated equipment where required.

Where new camera or wireless radio locations require power, the contractor shall submit the exact location or lighting column number to the WTC representative to allow the provision of new unmetered supplies to be agreed where necessary and provided before connections are made.

## Incident recording and reporting

An Incident Management, package shall be provided to allow the collation of data relating to any incident that occurs. This may be an integral part of the management and control system or separate add on package that can be integrated with the management and control system. The package should.

* Allow the storage of recoded video from the VSS system
* Allow the provision of maps or plans to illustrate the location of incidents
* Allow the preparation of reports relating to the incident.
* Ensure that all data is retained in original format until manually deleted.
* Allow the classification of types of incident
* Provide repots on the number and nature of recorded incidents

## Intruder Detection Requirements

An intruder detection system (IDS) meeting BS EN 50131 (as defined by PD6662:2010 Scheme for the Application of European Standards for Intruder and Hold-up Alarms) to Grade two standard (G2), connected to an approved alarm-receiving centre using dual path signalling such as Dualcom or RedCare/GSM is to be installed within the control room space in the Community Hub, to initiate a response from the relevant service.

## Intruder Detection

The intruder detection system shall include:

* Keypad adjacent to the final exit door at side of building
* Door contacts to 3 x internal doors at first floor
* Motion detection within 3 x first floor rooms
* Control panel within protect area
* Dual Path signalling to remote ARC.
* Local sounders shall be installed at ground and first floor.
* An external sounder should be provided on the front elevation of the building

## Door intercom

The ground floor outside door should be fitted with video access control to allow communication with control room staff when operational

The access control system shall include:

* Full audit trail allowing interrogation of use.
* Individual identification of all users
* Vandal resistant external audio/video call station.
* Electronic locking to outer door to LPS1175 SR1 standard

## Cyber Security

All factory set usernames and passwords shall be changed to unique secure passwords.

There shall be no external internet connection between the VSS system and the wider internet unless specifically requested and instigated by the WTC representative.

# Installation standards

## General

All equipment, wiring and accessories shall be installed in accordance with the equipment manufacturers’ specifications and recommendations. All installations shall comply with the relevant regulations or standards applicable to the installation. Where there is doubt or a conflict between the manufacturer’s recommendations and any applicable recommendations the higher standard shall apply.

## Cable containment

All wiring and cables relating to the security systems including VSS signal wiring, VSS data wiring, intruder detection wiring, intercom wiring, access control wiring and low voltage power supply wiring is to be neatly installed within secure containment throughout the installation.

Where cables are to be installed within secure risers or ducts or under raised floors, they may be installed securely on cable tray or wiring basket. The tray or basket shall be of a suitable size to accommodate all the required cables with capacity for expansion of at least 25%.

All containment necessary to form part of the installation shall be supplied and installed by the specialist contractor. In most cases this containment shall comprise galvanised conduits and trunking suitably sized for the number of cables to be drawn in.

The whole security containment installation shall be electrically continuous, and earth bonded in accordance with the current edition of the IEE wiring regulations. Throughout the security containment installation, suitable draw-in boxes, angle boxes, and adaptable boxes shall be used to allow ease of cable installation. All conduits shall terminate in a conduit box or coupler and bush as required. No open-ended conduits shall be permitted. All conduit boxes shall be fitted with lids and secured with security screws requiring a special tool for their removal.

Where containment is provided for the future installation of wiring at a later date, draw wires shall be provided in all conduits between draw-in boxes.

Flexible conduit may be used where required. All flexible conduits shall form part of the overall continuous installation and be of a suitable size to accommodate the required number of cables.

Where flexible conduit is used the maximum length shall not exceed 300mm per connection.

Where wiring is to be installed externally underground this shall be installed in suitable sized polypropylene ducts. All ducts shall terminate in suitable cabinets, cupboards, columns or draw pits. No cables shall be laid in open ground. In all cases a spare duct including a draw rope shall be provided for future use.

## Cable installation

All cables and wiring shall be installed in suitable containment as set out above. No wiring shall be fixed directly to the building or associated structures without specific approval from the project management team. Cables shall not be clipped or tied to equipment forming part of other installations.

All wiring shall be continuous between the security device and the associated items of equipment. No in-line joints or loose connections shall be permitted. If it is necessary to joint or extend wiring it shall be terminated and reconnected in an approved manner within a fixed termination or connection unit.

## Cable specifications

All cables used in the installation of security systems shall be low smoke and halogen free (LSHF).

In all cases cables used in the installation of security systems shall conform to the relevant equipment manufacturer’s minimum requirements and installed in accordance with relevant equipment manufacturers instructions.

The general requirements shall be as follows:

### Coaxial VSS signal cables

All Coaxial VSS signal cables shall be RG59/RG11 or equivalent and installed using 75-ohm BNC connectors that have nickel-plated brass bodies and crimp fitting pins and ferrules.

### Data cables

All data cables shall conform to the requirements of the relevant equipment manufacturer and installed in accordance with the equipment manufacturers instructions.

### Low voltage power

Low voltage power cables shall be of a suitable size and construction to suit the power requirement of the relevant equipment and installed in accordance with the equipment manufacturers instructions.

### Fibre optic cables

Fibre optic cables shall be single mode, 4 core, 9/125μm, loose tube cables. Fibre optic cables shall be of a construction to suit the environment into which they are to be installed.

### Structured cables for networks

Structured cables for use in local area networks or connections to wide area networks shall be Cat 6a and installed in accordance with the equipment manufacturers instructions.

## Equipment cabinets and enclosures

All equipment cabinets and enclosures shall be securely installed to solid surfaces or on purpose designed racks or mounting structures.

Cabinet fixings shall be suitable for the size, weight and construction of the cabinet and all equipment included within.

All cable entries shall be made via suitable conduit or trunking entry points. Cable entry points shall be bushed or otherwise protected to prevent chaffing of cables.

Where cabinets or enclosures are to be installed externally or areas where they may be exposed to moisture, they shall conform to IP65 rating.

## Extra low voltage power supplies

Extra low voltage power supplies shall be provided locally to the associated item of equipment or in a suitable local distribution point. Each individual item of equipment shall be supplied from a separate fused output within the power supply or from an individual power supply.

Each output shall be clearly labelled with the details of the item of equipment to be supplied.

All low voltage power supplies are to be installed in a suitable enclosure as described in section 3.5 above.

## Mains connection units

All mains connection units shall be un-switched fused connection units. Flexible cable connections to the item of equipment shall be run within conduit, trunking or bushed joints. No external flex connections shall be permitted.

# Maintenance and warranty provision

The contractor shall provide 12 months warranty for all materials and labour from the date of final handover and acceptance of the installations by the client.

The contractor shall provide an emergency contact telephone number to which faults relating to the system and installation can be reported.

The contractor shall also submit a cost for the provision of ongoing maintenance and emergency repairs of the systems for three years from the first anniversary of the handover of the system.

Where repairs or alterations are not covered within the terms of the contract the contractor shall provide details of hourly rates that apply within the pricing schedule.

## Annual VSS maintenance shall include:

* Visual inspection of all VSS equipment
* Cleaning and recalibration of all equipment.
* Checking and if necessary, refocusing of camera lenses.
* Check lenses for correct field of view and adjust as necessary
* Check pictures for correct field of view and adjust as necessary.
* Check and test remote signalling equipment
* Check and test audio challenge equipment
* Check and recalibrate video analytics
* Check communication with Remote Monitoring Centre
* Check recording and playback quality
* Repair minor faults where necessary
* Retrain the users on the use of the VSS system (if required)
* Provide a written report on the condition and status of the system.

## VSS Emergency response service shall include:

* 24hr emergency contact number
* Response to reported faults within 24hrs of report
* Evaluation of reported fault.
* Repair/replacement of faulty equipment within 72hrs of report

## Bi-annual Intruder Detection maintenance shall include:

* Visual inspection of all detection equipment
* Cleaning and recalibration of all equipment.
* Check communication with Alarm Receiving Centre
* Check radio communication with all devices
* Repair minor faults where necessary
* Check operation of audible warning devices
* Provide a written report on the condition and status of the system.

## IDS emergency response shall include

* 24hr emergency contact number
* Response to reported faults within 4hrs of report
* Evaluation of reported fault.
* Repair/replacement of faulty equipment within 24hrs

# System commissioning

## General

The security systems shall be fully commissioned by competent persons with extensive experience of the systems to be commissioned.

## Method statements

Commissioning method statements and a commissioning schedule shall be produced and submitted for approval. The security specialist shall offer the opportunity for the client’s nominated representative to attend the commissioning of any, or all of the security systems.

## Commissioning requirements

Commissioning of the systems shall include:

* Calibration of radio transmission equipment
* Demonstration of the performance of all VSS cameras
* Setting and adjustment of field of view of all VSS cameras
* Focusing of field of view of all VSS cameras
* Programming of macros or changeable settings
* Demonstration of the performance of all detection devices
* Demonstration of IDS local warning devices
* Demonstration of setting and unsetting of IDS

## Commissioning records

A detailed record of the commissioning process together with details of all test results, settings and programming shall be made and provided with the record documentation.

# System documentation

The contractor shall provide the following documentation at the handover of the system to the Warminster Town Council representative.

The documentation detailed below shall be provided in the form of an addendum with associated technical manuals to be inserted into the existing manuals for the security systems installed at the premises.

## Handover certificate

A handover certificate shall be provided by the contractor, which will be signed by the client’s representative at the handover meeting to verify that the system has been installed in compliance with the system specification and tender documentation.

## Record drawings

Copies of record drawings of all equipment and transmission routes shall be provided for record purposes and retained on site for reference purposes. The drawings shall be produced in pdf format and printed on first generation paper and include details of all installed equipment, wiring routes and schematic drawings.

* All titles, headings, etc., have a height not less than 5mm
* All other lettering is upper case in a height of not less than 3mm.
* Every record drawing shall show the following information: -

Client’s name

Employer’s name

Name of contract and, where appropriate, the zone or floor designation

Description of drawing, its number and scale

Name and address of originator

Draft copies of the drawings shall be submitted for approval and comment at least eight weeks before practical completion. Any amendment that may be required shall be carried out and the documents re-submitted for final approval within two weeks of the receipt of the comments.

## Site specific operation and maintenance manual

Copies of operation and maintenance manuals shall be provided for record purposes and retained on site for reference purposes. The manuals should be a single A4 document of first generation print quality and contain the following information and be produced in accordance with the overall project documentation requirements.

* 1. Record version of system specification
  2. Record drawings indicating all equipment locations and wiring routes
  3. Copies of all commissioning and handover documentation
  4. Maintenance record
  5. Emergency contact details
  6. Ordering/manufacturers details for replacements and spares
  7. User/operation guides
  8. Maintenance manuals for all principal items of equipment

The manual shall conform to the following minimum standards:

* Multi-ring PVC bound stiff binder able to withstand constant usage, or where a thicker type of binder is required, it shall have steel locking pins. Print on the cover the following information: -

"Operation and Maintenance Manual for Warminster and Westbury Video Security Surveillance System”.

* Where more than one volume is required, the cover shall also be printed with volume number.
* Provide each section of the manual with a stiff full-page numbered divider.
* Typewrite all written instructions within the manual with a margin on the left-hand side.

Arrange the manual as follows:

1. Index and instruction on how to use the manual
2. Revision record
3. Central reference information including contractors’ details, sub-contractors, details manufacturers details, asset register, emergency contact information
4. Health and safety information
5. Maintenance procedures and details
6. Detailed system descriptions
7. Details of interfaces with other systems and equipment
8. Manufacturers operating instructions
9. Manufacturer’s maintenance instructions
10. Recommended spares list
11. Commissioning records and test certificates
12. Record drawing list
13. Record drawings

## Final submission of record documentation

A draft copy of the manual shall be submitted electronically, for approval and comment at least four weeks before practical completion. Any amendment that may be required shall be carried out and the documents resubmitted for final approval within two weeks of the receipt of the comments.

Following approval a printed copy of the record drawings and manuals shall be produced plus one electronic file containing the record drawings and O&M documentation.

# Pricing schedules

## System Installation

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Description |  | Price |
|  |  |  |  |
| 1. | Supply and install and commission new VSS control monitoring and recording system within Warminster Community Hub. | £ |  |
|  |  |  |  |
| 2. | Supply install and commission new Intruder Detection System and intercom to control room | £ |  |
|  |  |  |  |
| 3. | Supply and install and commission VSS cameras and network to Warminster Town Centre | £ |  |
|  |  |  |  |
| 4. | Supply and install and commission VSS cameras and network to Westbury Town Centre | £ |  |
|  |  |  |  |
| 5. | Supply and install and commission VSS cameras and network to West Wilts Trading Estate. | £ |  |
|  |  |  |  |
|  | TOTAL | £ |  |

## System Maintenance

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Description |  | Price |
|  |  |  |  |
| 1. | Maintenance of VSS/IDS and Intercom system for first 12 months following handover. | £ |  |
|  |  |  |  |
| 3. | Maintenance of VSS & IDS system and Intercom in year two. | £ |  |
|  |  |  |  |
| 4. | Maintenance of VSS & IDS and Intercom system in year three |  |  |
|  |  |  |  |
| 5. | Maintenance of VSS & IDS and Intercom system in year Four | £ |  |
|  |  |  |  |
| 5. | Annual cost for fibre link Westbury sheltered housing block to Warminster | £ |  |
|  |  |  |  |
| 6. | Annual cost for fibre link Leigh Park Community Centre to Warminster | £ |  |
|  |  |  |  |
| 7. | Annual cost for fibre link West Wilts Trading Estate to Warminster | £ |  |
|  |  |  |  |
|  | TOTAL | £ |  |

## Call out and Hourly rates

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Description |  | Price |
|  |  |  |  |
| 1. | Standard call out charge | £ |  |
|  |  |  |  |
| 2. | Out of hours call out charge | £ |  |
|  |  |  |  |
| 3. | Standard Hourly rate | £ |  |
|  |  |  |  |
| 4. | Out of hours hourly rate | £ |  |
|  |  |  |  |
|  |  |  |  |

# Appendix A Camera schedule

**Warminster Cameras**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Camera** | **Location** | **Purpose** | **Requirement** | **Camera Type** | **Additional IR** | **Existing Camera** |
| No. 1 | On lighting column outside Esso filling station at junction of East Street and East End Lane | Monitoring East Street | Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless using relay points to camer 2 for onward transmission. | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Not required | A picture containing text, tree, outdoor, sign  Description automatically generated |
| No. 2 | On dedicated column at junction of Station Road and Market Place. | Monitoring area around Station Road and Market Place. | Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless using relay points to camera 3 for onward transmission. | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Not required | A picture containing text  Description automatically generated |
| No. 3 | On building opposite Weymouth Street junction | Monitoring area around top of Weymouth Street and Market Place. | Remove existing camera, replace with new mutisensor IP camera.. Hardwire to rear of building and transmit to Community centre using wireless transmission | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Not required | A picture containing text, outdoor, sky, roof  Description automatically generated |
| **Camera** | **Location** | **Purpose** | **Requirement** | **Camera Type** | **Additional IR** | **Existing Camera** |
| No.4 | On dedicated column at junction of High Street and The Close | Monitoring area around west end of High Street | Remove existing camera, replace with new mutisensor IP camera. transmit signal to camera 3 via relay points on lighting column | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Not required | A picture containing text  Description automatically generated |
| No. 5 | On dedicated column at junction of High Street, George Street and Portway | Monitoring area around George Street and High Street | Remove existing camera, replace with new mutisensor IP camera. Transmit signal to camera 4 for onward transmission | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Not required | A picture containing text, building, outdoor, window  Description automatically generated |
| No. 6 | On dedicated column at junction of George Street and Sambourne Road | Monitoring area around George Street and High Street | Remove existing camera, replace with new mutisensor IP camera. Transmit signal to camera 5 via relay point on lighting column for onward transmission | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Not required | A picture containing building, outdoor, brick, stone  Description automatically generated |
| **Camera** | **Location** | **Purpose** | **Requirement** | **Camera Type** | **Additional IR** | **Existing Camera** |
| No. 7 | On lighting column in Silver Street, opposite Vicarage Street. | Monitoring area around junction | Remove existing camera in Emwell Street. Install new new mutisensor IP camera on column in Silver Street, opposite Vicarage street. Transmit signal to camera via relay point on lighting column to camera 6 for onward transmission | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Not required | A picture containing text, outdoor, building  Description automatically generated |
| No. 8 | On dedicated column in car park at rear of Library | Monitoring area around car park | Remove existing camera, replace with new mutisensor IP camera. Transmit signal Control room via wireless | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Not required | A picture containing sky, outdoor, clouds, cloudy  Description automatically generated |
| No. 9 | On lighting column at junction of Imber road and Fairfield Road | Monitoring area around junction | Remove existing camera, replace with new mutisensor IP camera. Transmit signal Camera 38 via wireless relay for onward transmission | 20MP multisensor camera comprising 4 x 5MP sensors and integrated IR | Not required | A picture containing outdoor, blue, spring  Description automatically generated |
| **Camera** | **Location** | **Purpose** | **Requirement** | **Camera Type** | **Additional IR** | **Existing Camera** |
| No. 10 | On dedicated column in pleasure Gardens | Monitoring area around Pleasure Gardens | Remove existing camera, replace with new mutisensor IP camera. Transmit signal Camera 11 via wireless relay for onward transmission | 20MP multisensor camera comprising 4 x 5MP sensors and integrated IR | Provide 4 x additional IR panels to illuminate area around camera location | A picture containing text, tree  Description automatically generated |
| No. 11 | On dedicated column at rear of new splash pool in pleasure Gardens | Monitoring area around Pleasure Gardens | Remove existing camera, replace with new mutisensor IP camera. Transmit signal Camera 13 via wireless relay for onward transmission | 20MP multisensor camera comprising 4 x 5MP sensors and integrated IR | Provide 4 x additional IR panels to illuminate area around camera location | A picture containing text, tree, outdoor, sky  Description automatically generated |
| Camera 12 | On dedicated column at rear of skate park in pleasure Gardens | Monitoring area around Pleasure Gardens | Remove existing camera, replace with new mutisensor IP camera. Transmit signal Camera 11 via wireless relay for onward transmission | 20MP multisensor camera comprising 4 x 5MP sensors and integrated IR | Provide 4 x additional IR panels to illuminate area around camera location | A picture containing tree, outdoor  Description automatically generated |
| **Camera** | **Location** | **Purpose** | **Requirement** | **Camera Type** | **Additional IR** | **Existing Camera** |
| No. 13 | On lighting column at junction of Weymouth St and Morrisons car park entrance | Monitoring area around car park and Weymouth St | Remove existing camera, replace with new mutisensor IP camera. Transmit signal relay in Weymouth Street to camera 3 position for network connection. | 20MP multisensor camera comprising 4 x 5MP sensors and integrated IR | Provide 3 x additional IR panels to illuminate area around camera location | A street with cars parked on the side  Description automatically generated with medium confidence |
| No. 14 | On dedicated column at rear of car park adjacent to The Avenue | Monitoring area around car park and Weymouth St | Remove existing camera, replace with new mutisensor IP camera. Transmit signal Camera 8 via wireless relay for network connection. | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Provide 3 x additional IR panels to illuminate area around camera location | A picture containing sky, outdoor, smoke, plane  Description automatically generated |
| No. 15 | On dedicated column in car park outside Town Council Office | Monitoring area around car park | Remove existing camera, replace with new mutisensor IP camera. Transmit signal to Camera 13 via wireless relay for network connection. | 20MP multisensor camera comprising 4 x 5MP sensors and integrated IR | Not required | A picture containing tree, outdoor  Description automatically generated |
| **Camera** | **Location** | **Purpose** | **Requirement** | **Camera Type** | **Additional IR** | **Existing Camera** |
| No. 16 | On lighting column in Portway | Monitoring area around Portway | Remove existing camera, replace with new mutisensor IP camera. Transmit signal to Camera 13 via wireless relay for network connection. | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Not required | A picture containing text, tree, outdoor  Description automatically generated |
| No. 20 | On Dewey House | Monitoring area North Row and around Dewey House | Remove existing camera and associated equipment. | removed |  | A picture containing building, brick, tower  Description automatically generated |
| No. 33 | Three Horseshoes Walk | Monitoring activity in loading area | Remove existing camera, replace with new mutisensor IP camera. Transmit signal to Control room via direct network connection to camera 36 position for network connection. | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Not required | A picture containing text, sky, outdoor, military vehicle  Description automatically generated |
| **Camera** | **Location** | **Purpose** | **Requirement** | **Camera Type** | **Additional IR** | **Existing Camera** |
| No. 34 | Three Horseshoes Walk | Monitoring activity in pedestrian area | Remove existing camera, replace with new mutisensor IP camera. Transmit signal to Control room over direct network connection to camera 36 position for network connection. | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Not required | A sign on a building  Description automatically generated with medium confidence |
| No. 35 | Three Horseshoes Walk | Monitoring activity in pedestrian area | Remove existing camera, replace with new mutisensor IP camera. Transmit signal to Control room via direct network connection to camera 36 position for network connection. | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Provide 3 x additional IR panels to illuminate area around camera location |  |
| No. 36 | Rear of Boots store | Monitoring activity at rear of stores and pubs | Remove existing camera, replace with new mutisensor IP camera. Transmit signal to Control room over wireless link | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Provide 3 x additional IR panels to illuminate area around camera location | A picture containing case, roof, window  Description automatically generated |
| **Camera** | **Location** | **Purpose** | **Requirement** | **Camera Type** | **Additional IR** | **Existing Camera** |
| No. 37 | Three Horseshoes Walk | Monitoring activity in pedestrian area | Remove existing camera, replace with new vandal resistant IP fixed camera. Transmit signal to Control room via direct network connection to camera 36 position for network connection. | 4MP, fixed camera with capability for on board analytics. | Not required | A picture containing door  Description automatically generated |
| New Camera (38) | On lighting column at junction of Station Road and Fairfield road | Monitoring area around junction and shop car parks | Install new mutisensor IP camera. Transmit signal to Community Hub via wireless relay for network connection. | 15MP multisensor camera comprising 4 x 5MP sensors and integrated IR | Not required |  |
| New Camera | Warminster Community Hub | Monitoring activity outside entrance door | Install new vandal resistantIP fixed dome camera with integral IR illumination and provide direct connection to VSS network | 4MP, fixed external dome camera. | Not required |  |
| New Camera | Warminster Community Hub | Monitoring of persons entering through entrance door | Install new IP fixed dome camera with integral IR illumination and provide direct connection to VSS network | 4MP, fixed internal dome camera. | Not required |  |

**Westbury Camera Schedule**

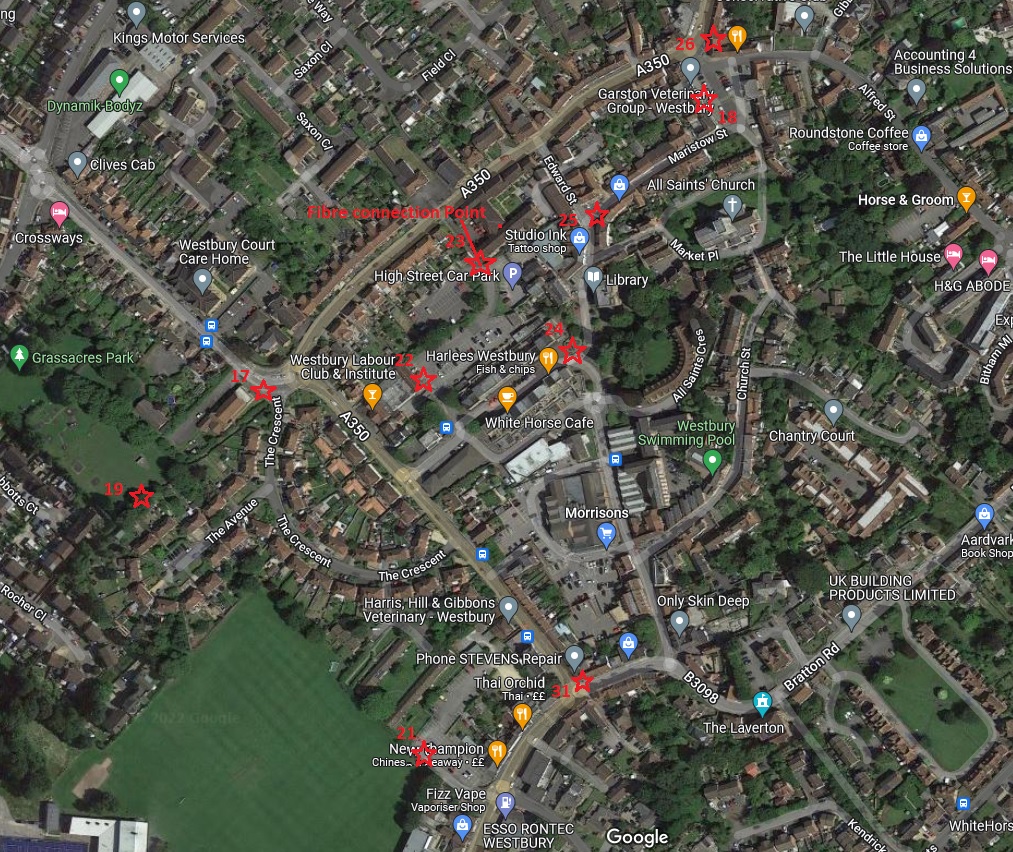
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Camera** | **Location** | **Purpose** | **Requirement** | **Camera Type** | **Additional IR** | **Existing Camera** |
| No. 17 | On lighting column at junction of Station Road, Hayes Road and West End | Monitoring area around junction | Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 23 for network connection. | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Not required | A picture containing text, building, outdoor, sky  Description automatically generated |
| No. 18 | On building in Market Place | Monitoring area around Market Place | Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 25 for network connection. | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Not required | A picture containing text, roof  Description automatically generated |
| No.19 | On dedicated column on edge of Grassacres Park | Monitoring area within park | Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 23 for network connection. | 20MP multisensor camera comprising 4 x 5MP sensors and integrated IR | Not required | A picture containing tree, outdoor, sky, plant  Description automatically generated |
| **Camera** | **Location** | **Purpose** | **Requirement** | **Camera Type** | **Additional IR** | **Existing Camera** |
| No. 21 | On dedicated column on edge of car park off Warminster Road | Monitoring area within carpark | Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 31 for network connection. | 20MP multisensor camera comprising 4 x 5MP sensors and integrated IR | Not required | A picture containing outdoor, green  Description automatically generated |
| No. 22 | On dedicated column on edge of High Street Car Park | Monitoring area within carpark | Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 23 for network connection. | 20MP multisensor camera comprising 4 x 5MP sensors and integrated IR | Not required | A picture containing outdoor  Description automatically generated |
| No. 23 | On end of Sheltered Housing building | Monitoring area within car park and surrounding area | Remove existing camera, replace with new mutisensor IP camera. Transmit signal to Warminster control room over IP fibre link | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Not required | A picture containing building, outdoor, brick  Description automatically generated |
| **Camera** | **Location** | **Purpose** | **Requirement** | **Camera Type** | **Additional IR** | **Existing Camera** |
| No. 24 | On dedicated column in garden at end of pedestrian precinct. | Monitoring area within pedestrian shopping area | Remove existing camera, replace with new mutisensor IP camera.. Transmit signal over wireless link using relay points to Cam 23 for network connection. | 20MP multisensor camera comprising 4 x 5MP sensors and integrated IR | Not required | A picture containing text, tree, outdoor, sky  Description automatically generated |
| No. 25 | On dedicated column at west end of Maristow Street | Monitoring of surrounding area | Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 23 for network connection. | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Not required | Diagram  Description automatically generated with low confidence |
| No. 26 | On dedicated column at junction of Market Place and Trowbridge Road | Monitoring of area around junction | Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 25 for network connection. | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Not required | A picture containing building  Description automatically generated |
| **Camera** | **Location** | **Purpose** | **Requirement** | **Camera Type** | **Additional IR** | **Existing Camera** |
| No. 27 | West Wilts Trading Estate.  On dedicated column at junction of Quartermasters Road and Storridge Road | Monitoring of area around junction | Remove existing camera, replace with new mutisensor IP camera. Transmit signal to Warminster control room via direct IP Fibre network connection | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Not required | A picture containing tree, outdoor, plant  Description automatically generated |
| No. 28 | West Wilts Trading Estate.  On dedicated column at junction of Headquarters Road and Storridge Road | Monitoring of area around junction | Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 27 for network connection. | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Not required | A picture containing text, outdoor, sign, light  Description automatically generated |
| No. 29 | West Wilts Trading Estate.  On dedicated column on Quartermasters Road adjacent to Estate Office | Monitoring of area around junction | Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 27 for network connection. | 20MP multisensor camera comprising 4 x 5MP sensors and integrated IR | Not required | A picture containing text, tree, outdoor  Description automatically generated |
| **Camera** | **Location** | **Purpose** | **Requirement** | **Camera Type** | **Additional IR** | **Existing Camera** |
| No. 30 | West Wilts Trading Estate.  On dedicated column on Link Road opposite Cory Way | Monitoring of area around junction | Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 29 for network connection. | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Not required | A picture containing air  Description automatically generated |
| No. 31 | On building at corner of Haynes Road and Warminster Road | Monitoring of area around junction | Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link using relay points to Cam 17 for network connection. | 15MP multisensor camera comprising 3 x 5MP sensors and integrated IR | Not required | A picture containing text, building, outdoor, brick  Description automatically generated |
| No. 40 | Leigh Park at Mane Way roundabout | Monitoring of area around junction | Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link to Community Centre for network connection. | 20MP multisensor camera comprising 4 x 5MP sensors and integrated IR | Not required | A picture containing tree, sky, outdoor, light  Description automatically generated |
| **Camera** | **Location** | **Purpose** | **Requirement** | **Camera Type** | **Additional IR** | **Existing Camera** |
| No. 41 | Leigh Park at entrance to car park | Monitoring of area around junction | Remove existing camera, replace with new mutisensor IP camera. Transmit signal over wireless link to Community Centre for network connection. | 20MP multisensor camera comprising 4 x 5MP sensors and integrated IR | Not required | A picture containing outdoor, tree, sky, light  Description automatically generated |
| New Camera (42) | Penleigh skate park | Monitoring of activity in skate park | Install new new mutisensor IP camera on new 5m column at agreed location adjacent to skate park. Transmit signal over wireless link to Community Centre using relay points as required for network connection. | 20MP multisensor camera comprising 4 x 5MP sensors and integrated IR | Provide 4 x additional IR panels to illuminate area around camera location | New camera and column |

# Appendix B Camera location plans

**Warminster Cameras**

Map

Description automatically generated



**Westbury Town Centre Cameras**

Map

Description automatically generated

**West Wilts Trading Estate Cameras**

Map

Description automatically generated