

# National Safety Camera Programme

## NSCP Data Monitoring Handbook

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Prepared for: Safety Camera  
Programme Office

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## **TABLE OF CONTENTS**

|                    |   |            |
|--------------------|---|------------|
| <b>I.</b>          | <b>Data Monitoring Process</b>              | <b>1</b>   |
| <b>II.</b>         | <b>NSCP Data Monitoring Tool v3</b>         | <b>2</b>   |
|                    | A. Switchboard                              | 2          |
|                    | B. Partnership Data                         | 3          |
|                    | C. Camera Site Data                         | 8          |
|                    | D. Operational Case Submission and Approval | 22         |
|                    | E. National Contact Information             | 24         |
|                    | F. Data Validation and Reporting            | 25         |
|                    | G. Database Administration                  | 31         |
| <b>III.</b>        | <b>New Data Elements Requested in v3</b>    | <b>32</b>  |
|                    | A. Partnership data                         | 32         |
|                    | B. Camera Site Data                         | 33         |
| <b>IV.</b>         | <b>Frequently Asked Questions</b>           | <b>34</b>  |
| <b>APPENDIX A:</b> | <b>NSCP v3 Data Model</b>                   | <b>A-1</b> |

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## ***I. DATA MONITORING PROCESS***

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Partnerships are responsible for the collection, formatting and validation of the data that goes into the monitoring database. Upon receipt of the partnership data, the programme office will aggregate the data on a national database.

Ownership of data within the database lies with partnerships. As a result no data submitted by partnerships will be manipulated or updated by the programme office unless specifically agreed with the partnership data analyst.

Naturally, partnerships are permitted to create their own reports on progress for internal use. However, in order to ensure a consistent approach to data extraction and analysis across the UK, partnerships should consult the Programme Office before publishing results of any analysis on safety camera topics. This is to ensure that the UK results can be communicated in full context and the impact can be maximised at national and local level.

To support the process, a data-monitoring tool has been developed. The tool consists of a MS Access database supplied to partnerships to be used for data submission and local monitoring, and another MS Access database located in the programme office used for data aggregation and national monitoring. Partnerships are to submit their data to the programme office quarterly no later than 3 months after the end of the quarter. As a result, the most up-to-date information on the national database will be between 3 and 6 months old.

### **Rule 11: Monitoring Requirements**

All partnerships are required to collect, monitor and forward to the programme office casualty and collision data on an ongoing basis to assess the performance of their safety camera strategies and their contribution towards achieving the 2010 casualty reduction targets. The deadline for data submission is **three months** after the quarter end.

[Source: 2005-06 Programme Handbook, Section 7.1].

### **Submitting the Data**

The actual submission of the data requires partnerships to send their back-end database to the Programme Office Data and Knowledge Manager.

On the *Database Administration* form it is possible to identify the name and location of the file that should be sent in.

In order to minimise the file size, it is recommended that you compact the back-end database prior to sending it.

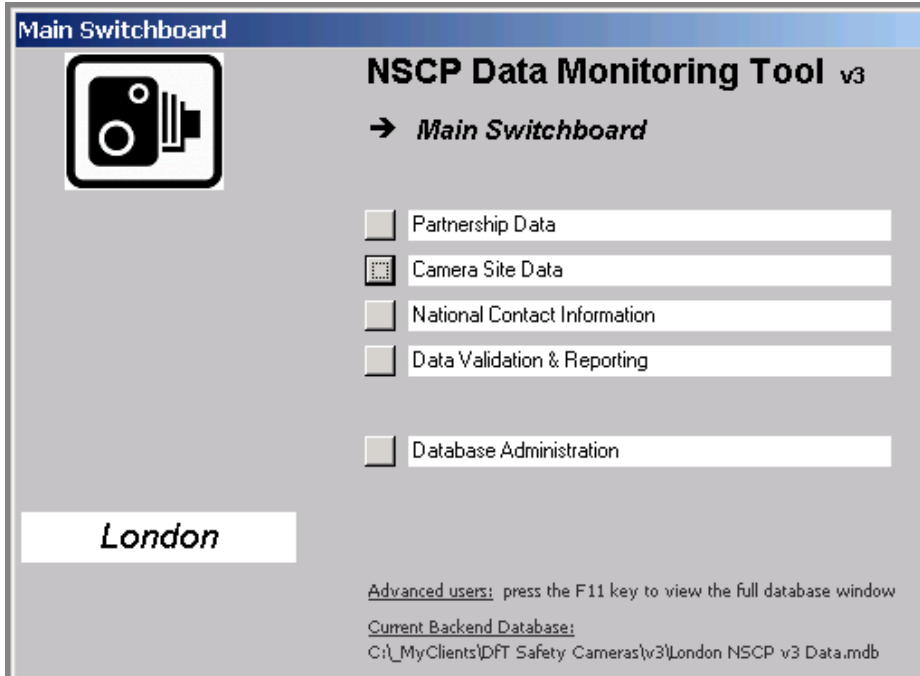
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## II. NSCP DATA MONITORING TOOL V3

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### A. SWITCHBOARD

When the User Interface (UI) file is activated, the **Main Switchboard** will appear.



The options available on the switchboard are:

#### *Partnership Data*

This will open the form for editing and viewing information on partnership area level.

#### *Camera Site Data*

This will open the form for editing and viewing information on individual camera site level.

#### *National Contact Information*

This will access the national contact information form.

#### *Data Validation & Reporting*

This will access the Data Validation and Management Information Reports.

#### *Database Administration*

This will access the Database Administration Form.

In addition to the menu buttons, the following information is available on the Switchboard:

#### *Partnership Name*

Name of the partnership can be seen at the bottom left of the switchboard.

#### *Version Number*

The version number can be seen at the top right of the switchboard.

#### *Currently active back-end*

The path to and name of the currently active back-end database can be seen at the bottom of the switchboard.

In the following sections, each of the forms within the tool will be described in detail.

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## B. PARTNERSHIP DATA

The partnership information form is divided into 2 main areas:

### *Partnership Data Selector*

This is located at the top left of the form and is used to toggle between the different areas of partnership information.

### *Partnership Information subform*

This section occupies the lowest 4/5 of the form and is used to display and input partnership information.

The area of information displayed depends on the current setting of the *Partnership Data Selector*.

### 1. Partnership Details

The screenshot shows a web application interface for 'Partnership Data'. At the top, there is a header with 'Partnership Data' on the left, 'Essex' in the center, and '(ID 42)' on the right. Below the header is a navigation menu with five buttons: 'Partnership Details' (selected), 'Equipment', 'Public Attitude Survey', 'Contact Details', and 'Exception Enforcement'. The main content area is titled 'Partnership Details' and contains the following fields:

|                                 |   |
|---------------------------------|---|
| <b>ID</b>                       | 42  |
| <b>Name</b>                     | Essex   |
| <b>Joined</b>                   | 01-04-2000  |
| <b>Region</b>                   | Eastern   |
| <b>Website</b>                  | <a href="http://www.essex.safetycameras.co.uk">http://www.essex.safetycameras.co.uk</a> |
| <b>Principal Office Address</b> |   |
| Address Line 1                  | Essex Safety Camera Partnership   |
| Address Line 2                  | Highways and Transportation   |
| Address Line 3                  | County Hall,  |
| Town                            | Chelmsford  |
| County                          | Essex   |
| Postcode                        | CM1 1QH   |

The Partnership Details form displays general information on the partnership.

#### *Partnership ID and Name*

The name and the nationally unique identification number of the partnership (Police Force Code for first Police Force in Partnership).

#### *Partnership Joining Date*

Date when the partnership started operating under the cost recovery programme. For partnerships where different local authorities have joined at different times, this shows the original date.

#### *Partnership Region*

The name of the region, of which the partnership is part.

The above fields are not editable by partnerships.

### Partnership Website

This is the principal website used by the partnership.  
Partnerships should update this as appropriate.

### Principal Office Street Address

This is the principal street address used by the partnership.  
Partnerships should update this as appropriate.

## 2. Partnership Personnel and Contact Details

Partnership Data: Essex (ID 42)

| Role                        | Name              | Email  | Telephone    | Mobile       |
|-----------------------------|-------------------|--|--------------|--------------|
| Communications Manager      | Kelly Fairweather | <a href="mailto:kelly.fairweather@essexcc.gov.uk">kelly.fairweather@essexcc.gov.uk</a> | 01245 437786 | 07786 125875 |
| Data Manager                | Sophia Flynn      | <a href="mailto:sophia.flynn@essexcc.gov.uk">sophia.flynn@essexcc.gov.uk</a>           | 01245 436504 |              |
| Project Manager's Assistant | Ian Henderson     | <a href="mailto:ian.henderson@essexcc.gov.uk">ian.henderson@essexcc.gov.uk</a>         | 01245 437348 | 07786 125667 |
| Project Manager             | Andrew Harris     | <a href="mailto:andrew.harris@atkinsglobal.com">andrew.harris@atkinsglobal.com</a>     | 01245 245136 |              |
| Treasurer                   | Steve Raddats     | <a href="mailto:steve.raddats@essexcc.gov.uk">steve.raddats@essexcc.gov.uk</a>         | 01245-437076 |              |
| Partnership Chair           | Andrew Harris     | <a href="mailto:andrew.harris@atkinsglobal.com">andrew.harris@atkinsglobal.com</a>     | 01245 245136 |              |
| Fol Lead                    | Kelly Fairweather | <a href="mailto:kelly.fairweather@essexcc.gov.uk">kelly.fairweather@essexcc.gov.uk</a> | 01245 437786 | 07786 125875 |
| *                           |                   |  |              |              |

Contact Address (if different from partnership address)

Address Line 1:

Address Line 2:

Address Line 3:

Town:

County:

Postcode:

The partnership Personnel and Contact Details form displays contact information on key personnel within the partnership.

Partnerships are expected to maintain this information for the Chair, Project Manager, Communications Manager, Finance Manager, and Data Manager.

In case a position/role is shared between 2 or more people, contact information should be supplied for all individuals.

The information requested is:

### Role

The role/position of the individual within the partnership.

### Name

The name of the individual.

### E-mail address

Business E-mail address of this individual.

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*Telephone*

Business telephone number of this individual.

*Mobile*

Business mobile telephone number of this individual

*Street Address*

Office Street Address of this individual.

This is only required if different from the Principal Partnership Street Address

**General MS Access Tip 1:**

In order to delete a record from a form such as the one pictured above, you should press the little grey square to the left of the *Role* field. With this square selected you can delete the record by pressing 'Delete'.

**3. Camera Equipment**

Partnership Data Essex (ID 42)

|                     |                       |                        |
|---------------------|-----------------------|------------------------|
| Partnership Details | Equipment             | Public Attitude Survey |
| Contact Details     | Exception Enforcement |                        |

**Camera Equipment in Operation**

| Equipment Type | Mechanism | Year | Month  | #Units |
|----------------|-----------|------|--------|--------|
| test           | Fixed     | 2005 | August |        |

Add Equipment Type to list Remove Equipment Type from list

The Camera Equipment In Operation form displays details on the number of camera units operated by the partnership.

Partnerships are expected to update this information as appropriate.

The information requested is:

*Camera Equipment*

Different types of equipment are listed along with the mechanism of the equipment type.

If there is a need to specify an additional equipment type, this can be done by pressing the button below the list. By doing this, the user will be prompted to supply the name and mechanism of the new equipment type. Similarly, if there is a need to remove an equipment type, this is done by pressing the appropriate button.

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Following the first quarterly submission of v3, the programme office will be able to compile a standardised list of equipment used by partnerships.

*Year-Month*

Year and Month from which the information is valid

*# Units*

Number of units of this equipment type that is in operation in the partnership from the specified year and month.

The number reported should be the total number of camera units owned by the partnership independent of the current state of the equipment (e.g. operational, out for repair, out for calibration etc.).

#### 4. Exception Enforcement

The screenshot shows a web interface for 'Partnership Data' for 'Essex' (ID 42). A navigation menu on the left contains 'Partnership Details', 'Equipment', 'Public Attitude Survey', 'Contact Details', and 'Exception Enforcement'. The main content area is titled 'Exception Enforcement in your Partnership Area' and contains a table with columns for 'Year', 'Month', and 'Enforcement (hours)'. The 'Enforcement (hours)' column is further divided into 'Fixed Sites' and 'Mobile Sites'. Below the table is a 'Comment' field.

The Partnership Exception Enforcement form displays details on enforcement levels at non-approved camera sites.

Partnerships are expected to supply this information on a monthly basis.

The information requested is:

*Year-Month*

Year and Month for which the information is valid

*Enforcement*

Total number of hours spent enforcing at non-approved sites in this month. The number should be broken down into enforcement carried out at fixed and mobile sites.

For fixed sites, the hours reported should be the total time (to nearest hour) from the camera unit is placed in the housing until it is removed.



**Example:**

A camera-unit is placed in a housing Monday 1pm and removed the following Wednesday at 11am. This should be reported as 46 hour of enforcement.

**5. Public Attitude Survey**

Partnership Data Essex (ID 42)

|                     |                       |                        |
|---------------------|-----------------------|------------------------|
| Partnership Details | Equipment             | Public Attitude Survey |
| Contact Details     | Exception Enforcement |                        |

**Survey Results from your Partnership Area**

- Results indicate the percentage of respondents who agree.
- You are required to complete at least one set of survey results per year.

| Year | Month    | Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Survey Method | Target Group | Sample Size | # Respondents |
|------|----------|------|------|------|------|------|------|------|---------------|--------------|-------------|---------------|
| 2000 | June     | 40 % | 81 % | 71 % | 70 % |      |      |      |               |              |             |               |
| 2001 | November | 39 % | 77 % | 72 % | 66 % |      |      |      |               |              |             |               |
| 2002 | October  | 56 % | 80 % | 70 % | 50 % | 87 % | 82 % | 26 % |               |              |             |               |
| 2003 | October  | 61 % | 75 % | 64 % | 54 % | 85 % | 76 % | 22 % |               |              |             |               |
| 2004 | October  | 28 % | 70 % | 61 % | 54 % | 80 % | 74 % | 28 % |               |              |             |               |
| *    |          |      |      |      |      |      |      |      |               |              |             |               |

**Comment** **Legend:**  
Q1: "Cameras are an easy way of making money out of motorists"  
Q2: "Cameras are meant to encourage drivers to keep to the limits, not punish them"  
Q3: "Fewer accidents are likely to happen on roads where cameras are installed"  
Q4: "Cameras mean that dangerous drivers are now more likely to get caught"  
Q5: "The use of safety cameras should be supported as a method of reducing casualties"  
Q6: "The primary aim of safety cameras is to save lives"  
Q7: "There are too many safety cameras in our local area"

The Public Attitude Survey form displays the results of the public surveys conducted. Partnerships are expected to perform the survey once a year as a minimum. The information requested is:

**Year-Month**

Year and Month of when the survey was carried out.

**Percentage of respondents who agreed on the following questions:**

- Q1: "Cameras are an easy way of making money out of motorists"
- Q2: "Cameras are meant to encourage drivers to keep to the limits, not punish them"
- Q3: "Fewer accidents are likely to happen on roads where cameras are installed"
- Q4: "Cameras mean that dangerous drivers are now more likely to get caught"
- Q5: "The use of safety cameras should be supported as a method of reducing casualties"
- Q6: "The primary aim of safety cameras is to save lives"
- Q7: "There are too many safety cameras in our local area"

**Survey Method**

Specification of the survey method applied for the survey.

If there is no suitable option on the drop-down list, then please select 'Other' and provide details in the 'Comment' field.

**Target Group**

Specification of the respondent group targeted when undertaking this survey.

If there is no suitable option on the drop-down list, then please select 'Other' and provide

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details in the 'Comment' field.

*Sample Size*

Number of people who were given the opportunity to answer the questions.

*# Respondents*

Number of people who have provided answers to the survey.

## C. CAMERA SITE DATA

**Definition:** Camera Site

A site is defined as a stretch of road where safety camera enforcement takes place. A housing is the physical infrastructure installed at the roadside, which consists of the pole and the box from within which a camera may operate. More than one housing may be present within a safety camera site.

[Source: 2005-06 Programme Handbook, Section 3.2]

The camera site information form is divided into 3 main areas:

*1. Camera Site Data Selector*

This is located at the top left of the form and is used to toggle between the different areas of camera site information.

*2. Camera Site List*

This is located in the left half of the form and displays all camera sites. The information on the list is *SiteID*, *Site Name*, *Site Type* (detailed information on these data elements is located under *Camera Site Details*). In addition, there is a *Status* column showing whether the site is currently active. This is based on the status of the *Camera Locations* within the site.

Below the list there are 2 buttons

*Append Camera Site* This will open a form requesting information on the new potential camera site. Detailed information on this form can be found in the section *Append a Camera Site*.

*Remove Camera Site* This will allow you to delete a Camera Site from the database. All related records (housings, collisions, casualties etc.) would also be deleted.

Please note that sites should not be removed from the database simply because they are no longer in use. For more on how to record sites 'out of use' please refer to *Camera Site History*

Above the list there is a check-box '*Apply Default Date Settings*'.

If this is checked, then the *Casualty History*, *Speed Survey History*, and *Enforcement History* will apply a default date for new records. The default date is based on the last recorded date entry.

*3. Camera Site Information Subform*

This section occupies the right half of the form and is used to display and input various camera site information.

The area of information displayed depends on the current setting of the *Camera Site Data Selector*.

## 1. Camera Site Details

**Camera Site Information**

Operational Case Preview | **Site Details** | Site History | Casualty History | Speed and Traffic Flow | Enforcement History | London

| ID                | Name                                       | Type         | Status        |
|-------------------|--|--------------|---------------|
| CS-B-15020        | A118 London Rd West of Jutsums Ln E        | Fixed        | Active        |
| CS-B-16001        | Ballards Rd Sth of Boleyn Gdns N/B RI      | Fixed        | Active        |
| CS-B-16006        | Rainham Rd Sth /w Canberra Cres E/E        | Fixed        | Active        |
| CS-B-17002        | Royal Docks Rd Nr Gallions Rch Rndb        | Fixed        | Active        |
| CS-B-17003        | Royal Docks Rd Nr Winsor Ter Rndbt I       | Fixed        | Active        |
| CS-B-17004        | North Woolwich Rd by Mill Rd E/B E16       | Fixed        | Active        |
| CS-B-17005        | North Woolwich Rd by Knights Rd E/B        | Fixed        | Active        |
| CS-B-18002        | Bexley Rd by Arran Close E/B Erith DA      | Fixed        | Active        |
| CS-B-18003        | Brook St by Riverdale Rd N/B Erith DA      | Fixed        | Active        |
| CS-B-18006        | Woolwich Rd Belvedere Nr Knee Hill E       | Fixed        | Active        |
| CS-B-18009        | Yarnton Way East of Wolvercote Rd E        | Fixed        | Active        |
| CS-B-18010        | Yarnton Way West of Alsike Rd E/B D        | Fixed        | Active        |
| CS-B-18011        | North Cray Rd by Bunkers Hill S/B DA1      | Fixed        | Active        |
| CS-B-18012        | North Cray Rd by Chantry Close S/B D       | Fixed        | Active        |
| CS-B-19001        | Midfield Wy West of Chipperfield Rd W      | Fixed        | Active        |
| <b>CS-B-19002</b> | <b>Albemarle Rd West of Westgate Rd E/</b> | <b>Fixed</b> | <b>Active</b> |
| CS-B-19003        | Glebe Way West of Silver Ln E/B BR4        | Fixed        | Active        |
| CS-B-19009        | Southborough Ln Nr Oxhawth Cres E/E        | Fixed        | Active        |
| CS-B-19010        | Elmers End Rd Nth of Beck Ln N/B SE        | Fixed        | Active        |
| CS-B-19013        | Widmore Rd West of Southview E/B B         | Fixed        | Active        |
| CS-B-19014        | Southern Rd Sth of Stumps Hill Ln N/E      | Fixed        | Active        |
| CS-B-19015        | Mottingham Rd Sth of Ravensworth R         | Fixed        | Active        |
| CS-B-19017        | A21 Hastings Rd Sth of Jackson Rd N        | Fixed        | Active        |
| CS-B-20012        | Selsdon Pk Rd by Pixton Way E/B CR         | Fixed        | Active        |
| CS-B-20024        | Addiscombe Rd by Mapledale Ave E/B         | Fixed        | Active        |
| CS-B-20028        | Coombe Ln by Oaks Rd W/B CR0 (44)          | Fixed        | Active        |
| CS-B-20029        | Gravel Hill Opp Abbotts Green W/B CF       | Fixed        | Active        |
| CS-B-20030        | Gravel Hill by Adington Palace E/B CR      | Fixed        | Active        |

**Site Details**

Site Name: CS-B-19002  
 Site Name: Albemarle Rd West of Westgate Rd E/B BR3 (3361)

Overlapping Site (optional): [ ] Remove link

Responsible Authority: Bromley

Site located on Trunk Road

**Site Approval**

Date Approved: [ ]  
 Site Type: Fixed  
 Site Class: Core

**Site Coordinates**

|             | Easting | Northing |
|-------------|---------|----------|
| Site Start  | 538011  | 169704   |
| Site End    |         |          |
| Site Length |         | km       |

**Operational Case Qualification Period**

Start: 01-01-1998 End: 31-12-2000

**Alternative Baseline Period (Optional)**

Start: [ ] End: [ ]

**Sites included in this Site**

**Approval Hazards** [ Recalculate Hazards 1-3 for this site ]

- High KSI per km (ie. above current criteria)
- High PIC per km (ie. above current criteria)
- Borderline KSI or PIC per km (1 KSI/km below or 2 PIC/km below current criteria)
- Evidence of speed problem from speed survey
- Evidence that local residents are concerned about speed (e.g. complaints, surveys, petitions)
- High casualties spread across a length of route rather than a specific location
- Proximity to vulnerable road users including children, horse riders, elderly

**Comment** [ ]

Append Potential Camera Site | Remove Camera Site

The Camera Site Details are located in the right half of the form and displays details for the site currently selected on the *Camera Site List*.

The information shown is

### Site ID

This is a user definable 10-character string uniquely identifying the site within the partnership. The string can consist of both numbers and text characters.

### Site Name

Name describing the location of the camera site.

### Data Convention: Site Name

Road number where available, followed by road name where available, followed by optional location detail, delimited by a forward slash (/). For example:

B4057/ Winterbourne Rd./ Nr B4427 Glos. Rd

### Overlapping Site (If applicable)

If a site polygon is entirely engulfed by the polygon of another site, then the overlapped site (i.e. the smaller of the polygons) should reference the overlapping site (i.e. the larger of the polygons). The reverse relationship should not be specified.

In order to remove a link between a site and an overlapping site, please use the button *Remove Link* located to the right of the field.

Partial overlaps between sites should not occur. If it is necessary to redefine site-polygons in order to eliminate partial overlaps between sites, then this should be done and revised

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site information should be submitted. In case such a redefinition results in a site no longer meeting the casualty requirements, then the site should be reviewed in order to validate the need for continuing enforcement.

*Responsible Authority*

The name of the agency responsible for works within the described site - e.g. Cumbria County Council, Highways Agency etc.

*Site located on Trunk Road*

Is this site located on a trunk road? [Yes/No].

*Date Approved (only for Core sites)*

Date when this site was approved to operate under cost recovery.

*Site Type*

The type of this camera site.

There are five different types of safety camera site:

**Fixed** - sites where fixed speed camera housings are installed with cameras operating continuously or from time to time. These are highly visible and coloured yellow.

**Mobile** – sites where highly visible mobile speed camera enforcement may take place from time to time.

**Time-Dist** – sites where time over distance speed cameras are installed and in operation continuously or from time to time.

**Red-light** – traffic light junctions or traffic controlled pedestrian crossings where red-light cameras are installed and enforcement is undertaken continuously or from time to time.

**Combined speed camera and red-light camera sites** – traffic light junctions where combined red-light and speed on green camera enforcement (i.e. speed offences whilst travelling through a green light) takes place from the same housing continuously or from time to time.

In addition, the monitoring tool operates with a 6<sup>th</sup> type of site:

**Route** - Where three or more consecutive mobile speed camera sites have been approved for enforcement, these sites may be joined together with the start of the first site and the end of the last site being regarded as start and end points to a route. Routes should not exceed 20km in length. A Route should have individual camera sites attached to it. For details on route approval criteria, please refer to the programme handbook.

The site type can only be edited for Potential Camera Sites. Once a site is approved, this is for information only.

*Site Class*

Every safety camera site within the programme must fall into one of the mutually exclusive categories below:

**Proposed** - sites that have not yet been presented to programme board for approval to operate under cost recovery.

**Core** – sites that were established prior to the partnership joining the programme, the pilot phase, or approved in subsequent phases of the programme.

**Exceptional** – sites that may not have met programme criteria for core sites but

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where partnerships are undertaking speed camera enforcement for reasons of community concern or other exceptional reasons. Mobile exception sites should not be included in the monitoring tool.

**Redundant** – Old site definitions, which is kept on the database for local reference.

*Coordinates*

Map coordinates (Easting and Northing) for the start and end of the site. Please provide these with 6 digits. If, for some reason, you can only obtain this with a 5 digit accuracy, then please add a 0 to the end of the number.

*Site Length*

Length of road covered within the site. This should be specified in kilometres. For rules on site lengths, please refer to the Programme Handbook.

*Operational Case Qualification Period (Start Date, End Date)*

Period during which collisions and casualties should be / were monitored in order to evaluate the site.

This can only be edited for Potential Camera Sites. Once a site is approved, this is for information only.

*Alternative Baseline Period (Start Date, End Date) – [Optional]*

Alternative period for which a partnership can provide 'baseline information' to be used when evaluating the effect of the site. If an alternative baseline is specified, then this is applied by the v3 validation queries and reports.

*Approval Hazards* [Not shown for site of type 'Route']

The hazards that can apply at a site are

- High KSI per km (ie, above current criteria)
- High PIC per km (ie, above current criteria)
- Borderline KSI or PIC per km (1 KSI/km below or 2 PIC/km below current criteria)
- Evidence of speed problem from speed survey
- Evidence that local residents are concerned about speed (e.g. complaints, surveys, petitions)
- High casualties spread across a length of route rather than a specific location
- Proximity to vulnerable road users including children, horse riders, elderly

For more details on site approval, please refer to section *Operational Case Process*.

Pressing the 'Recalculate Hazards 1-3 for this site' button, will update hazards 1-3 based on the data currently specified on the database.

*Sites Included in this Site*

This lists the names of the sites that are included as part of this route or overlapped by this site. This is not editable. To allocate sites to routes, or indicate that a site is engulfed within another site, please select the appropriate site from the *Camera Site List* and use the field *Overlapping Site*.

*Comment (Optional)*

An optional field for any comments to the site.

## 2. Site History

**Camera Site Information**

Operational Case Preview | Site Details | **Site History** | Casualty History | Speed and Traffic Flow | Enforcement History | Essex ID 42

| ID             | Name   | Type         |
|----------------|--|--------------|
| PA-3850        | Site 083 - B1013 Southend Road, Hockley                    | Fixed        |
| PA-3851        | Site 084 - A120 Dunmow Road, Takeley (includ               | Fixed        |
| PA-3852        | Site 085 B173 Lambourne Rd jw A1112 Gravel                 | Red-light    |
| PA-3853        | Site 086 - A1060 Rowwell Road, Chelmsford                  | Fixed        |
| PA-3854        | Site 087 - A1232 Ipswich Road, Colchester (inc             | Fixed        |
| PA-3855        | Site 088 - A132 Nevendon Road, Wickford (inc               | Fixed        |
| <b>PA-3856</b> | <b>Site 081 - B186 South Rd, 5th Dokendon (incl. Fixed</b> | <b>Fixed</b> |
| PA-3857        | Site 089 - A132 Nevendon Road, Wickford (inc               | Fixed        |
| PA-3858        | Site 077 A133 Cowdray Ave jw Mason Rd, Cok                 | Red-light    |
| PA-3859        | Site 091 A127 Southend Arterial Rd Leigh (incl             | Fixed        |
| PA-3860        | Site 092 A127 Southend Arterial Rd Leigh                   | Fixed        |
| PA-3861        | Site 093 A127 Prince Ave Westcliff on Sea                  | Fixed        |
| PA-3862        | Site 094 A13 London Rd Leigh On Sea                        | Fixed        |
| PA-3863        | Site 095 A13 London Rd Leigh on Sea                        | Fixed        |
| PA-3864        | Site 096 Queensway Southend (includes site nu              | Fixed        |
| PA-3865        | Site 097 - Panfield Lane, Braintree (Nr Kings Rc           | Mobile       |
| PA-3866        | Site 082 - A132 Runwell Rd, Wickford                       | Fixed        |
| PA-3867        | Site 133 - Thorney Bay Road, Canvey Island                 | Mobile       |
| PA-3868        | Site 078 A1321 Broadmayne jw Southernhay, E                | Red-light    |
| PA-3869        | Site 123 - Thorney Bay Road, Canvey Island (ir             | Mobile       |
| PA-3870        | Site 125 - A130 Canvey Island (includes site nu            | Mobile       |
| PA-3871        | Site 128 - Ashlyns Basildon (includes site numb            | Mobile       |
| PA-3872        | Site 129 Felmores Basildon includes site numb              | Mobile       |
| PA-3873        | Site 130 - Long Riding, Basildon (near Thoringl            | Mobile       |
| PA-3874        | Site 060 - A1016 Waterhouse Lane, Chelmsford               | Fixed        |
| PA-3875        | Site 132 - Ashlyns, Basildon (includes site numb           | Mobile       |
| PA-3876        | Site 061 - B1137 Springfield Road, Chelmsford              | Fixed        |
| PA-3877        | Site 135 - Gosbecks Road, Colchester (include              | Mobile       |
| PA-3878        | Site 060 - B1000 Broomfield Road, Chelmsford               | Fixed        |

Set new threshold for ALL camera sites ...

**Camera Locations**

| Fixed                               | Identifier | Status |
|-------------------------------------|------------|--------|
| <input checked="" type="checkbox"/> | PA-3856-01 | Active |
| <input type="checkbox"/>            |            |        |

Direction: 2-Way | Easting: 559216 | Northing: 181268 | Equipment: | Twin-Location: |

**Camera Location History**

| Date      | Event          | Speed Limit | Enforcement Threshold |
|-----------|----------------|-------------|-----------------------|
| 27-jul-01 | 8. Speed Limit | 30          |                       |
| 27-jul-01 | 1. Established |             |                       |
| 03-jun-02 | 2. Conspicuous |             |                       |
| *         |                |             |                       |

Comment: |

The Camera Site History is located in the right half of the form and displays details for the site currently selected on the *Camera Site List*.

The form is divided into 2 main areas:

### 1. Camera Location List

This is located on the top right the form and displays the Camera Locations associated with the selected camera site.

#### **Definition:** Camera Location

A Camera Location is defined as a point of enforcement within a camera site, and all camera sites must have one or more Camera Locations associated.

For all types of fixed sites (fixed, red-light, time over distance) all physical housings within a site should be specified as individual camera locations and marked as *Fixed*.

For mobile sites, a minimum of one Camera Location should be specified per site.

In cases where mobile enforcement is taking place within a fixed site, a 'Mobile Camera Location' should also be specified.

The information shown and requested is:

#### *Fixed*

Is this a Fixed Camera Location?

#### *Identifier*

This is a user definable 100-character string uniquely identifying the location within the site. The string can consist of both numbers and text characters.

---

### *Status*

Is this Location currently 'Active' or 'Inactive'. This is based on the *Location History*.

### *Direction* [Only Fixed Locations]

Is this Location a 1-way or 2-way housing. For 2-way Locations, please create 2 Camera Locations (one representing each direction) and link them using the *Twin-Location* data field.

### *Map Coordinates (Easting, Northing)*

Map coordinates where this Camera Location is located. Although this data is required for Fixed Locations only, it can be applied to record the location of hard standings for mobile sites as well.

### *Equipment* [Only Fixed Locations]

Type of equipment used to enforce at this housing.

### *Twin-Location* [Only 2-way Fixed Locations]

For 2-way Locations, please specify the 'twin-location' – i.e. the location representing the opposite direction. Please note, that you will have to define both of the camera locations representing the 2-way housing and specify that they are 2-way before you can match them.

### **Example: How to set up a 2-way housing within a site.**

Site 101 contains a 2-way housing, which we wish to include on the database. We will have to do the following:

- a. Add Camera Location '101-eastbound' as a camera location.
- b. Indicate that this is a fixed location, by ticking the *Fixed* box.
- c. Indicate that it is part of a 2-way housing by selecting '2-way' in the *Direction* field.
- d. Repeat Steps A-C for Camera Location '101-westbound'.
- e. Select location '101-eastbound' and specify '101-westbound' in the *Twin-Location* field.
- f. Select location '101-westbound' and specify '101-eastbound' in the *Twin-Location* field.

## 2. *Camera Location History*

This is located in the bottom right of the form and displays the history for *Camera Location* currently selected in the *Camera Location List*. The history should be updated as appropriate.

The exact information shown and requested is:

### *Date*

Date when a *Camera Location Event* occurred.

### *Event*

Camera Location Event that occurred at the specified *Date*. The available events are:

**Established** – When evidence of the camera location (signage, poles, housing etc.)

---

is apparent to passing motorists

**Conspicuous** – When the camera location adheres to current visibility requirements (Only relevant for fixed sites established prior to June 2002).

**Operational** – When the camera location is operational and available for enforcement (power connected etc.).

**Out of Operation** – When the camera location is temporarily taken out of operation due to planned or unplanned circumstances (maintenance, vandalism etc.).

**Reactivated** – When the camera location is reinstated into 'active service' following a period of it being 'Out of Operation'.

**Suspended** – When the camera location is suspended awaiting decommissioning.

**Decommissioned** – When the camera location is physically decommissioned.

**Speed Limit** – Initial speed limit when establishing a site or when the speed limit changes at the camera location.

**Enforcement Threshold** - When the enforcement threshold at the camera location is changed.

**Subsumed** - When a site is subsumed into another site.

*Speed Limit*

Speed Limit in effect at the camera location (mph).

*Enforcement Threshold*

The speed at which this location is enforced - i.e. the lowest speed at which a vehicle has to travel in order to trigger the camera.

*Comment (Optional)*

Any comments relating to the Camera Location Event / occurrence.

**Data Convention: Camera Location History**

When defining a Camera Location you should (as a minimum) provide information on the following events:

- **Established**
- **Speed Limit**
- **Enforcement Threshold**

A button captioned 'Set new threshold for ALL camera sites...' Is located below the *Camera Site List* (on the left hand side of the form).

Pressing this button will activate a form enabling the user to change the enforcement threshold for all housings where a specified speed limit is in effect. Please note that only speed limits specified with a *Speed Limit* event will be updated.

This is described in more detail under *Batch Update of Enforcement Threshold*.



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### 3. Batch update of Enforcement Threshold

**New Enforcement Threshold**

*Set new threshold for all camera sites within a specified speed zone*

- This function allows you to define a single new enforcement threshold and automatically apply it to ALL operational camera sites that have the specified speed zone.
- The Valid Since date specifies from when the new thresholds apply.
- The Speed Limit drop-down box allows you to select the speed zone across which you would like to apply the new enforcement threshold. Note that only speed limits for which there are Cameras are listed in the drop-down box.
- Note that any existing thresholds that have the same Valid Since Date, and correspond to cameras with the same Speed Limit, will NOT be updated.
- You can only update cameras for one speed zone (limit) at a time. Therefore return to this form and separately set new thresholds for each speed zone that has a new enforcement threshold.

Valid Since:

Speed Limit:  mph

New Threshold:  mph

Comment (optional):

OK Cancel

To perform a batch update of enforcement threshold the following steps should be carried out:

1. Specify the 'Valid Since' date from when the change in enforcement threshold was implemented.
2. Specify the speed limit for which to update the enforcement threshold. Please note that only speed limits specified with a *Speed Limit* history event will be updated. For more on history event, please refer to the *Site History* section.
3. Specify the new enforcement threshold
4. Type any comments.

On pressing 'OK' you will be prompted to confirm your action.

Upon confirmation, *Camera Location History* entries will be amended and updated to reflect the change in enforcement threshold:

The form will automatically close and return you to the Site History form.

## 4. Casualty History

For definitions of collisions and casualties, please refer to Section 3.1 of the 2005-06 Programme Handbook.

**Camera Site Information**

Operational Case Preview | Site Details | Site History | **Casualty History** | Speed and Traffic Flow | Enforcement History | Essex ID 42

| ID      | Name   | Type      | # Casualties |           |          |           |           |          | # Collisions |           |           |          |           |    |   |   |
|---------|--|-----------|--------------|-----------|----------|-----------|-----------|----------|--------------|-----------|-----------|----------|-----------|----|---|---|
|         |  |           | Fatals       | KSI Total | KSI Ped. | KSI Child | PIC Total | PIC Ped. | PIC Child    | KSI Total | PIC Total | PIC Ped. | PIC Child |    |   |   |
| PA-3850 | Site 083 - B1013 Southend Road, Hockley          | Fixed     | 0            | 2         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 2         | 20 | 2 | 1 |
| PA-3851 | Site 084 - A120 Dunmow Road, Takeley (inclu      | Fixed     | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3852 | Site 085 B173 Lambourne Rd jw A1112 Gravel       | Red-light | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3853 | Site 086 - A1060 Rowwell Road, Chelmsford        | Fixed     | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3854 | Site 087 - A1232 Ipswich Road, Colchester (inc   | Fixed     | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3855 | Site 088 - A132 Nevendon Road, Wickford (inc     | Fixed     | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3856 | Site 081 - B186 South Rd, Sth Ockendon (incl.    | Fixed     | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3857 | Site 089 - A132 Nevendon Road, Wickford (inc     | Fixed     | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3858 | Site 077 A133 Cowdray Ave jw Mason Rd, Cok       | Red-light | 0            | 1         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 1         | 1  | 0 | 0 |
| PA-3859 | Site 091 A127 Southend Arterial Rd Leigh (incl   | Fixed     | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 1  | 0 | 0 |
| PA-3860 | Site 092 A127 Southend Arterial Rd Leigh         | Fixed     | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3861 | Site 093 A127 Prince Ave Westcliff on Sea        | Fixed     | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3862 | Site 094 A13 London Rd Leigh On Sea              | Fixed     | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3863 | Site 095 A13 London Rd Leigh on Sea              | Fixed     | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3864 | Site 096 Queensway Southend (includes site n     | Fixed     | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3865 | Site 097 - Panfield Lane, Braintree (Nr Kings R  | Mobile    | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3866 | Site 082 - A132 Runwell Rd, Wickford             | Fixed     | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3867 | Site 133 - Thorney Bay Road, Canvey Island       | Mobile    | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3868 | Site 078 A1321 Broadmayne jw Southernhay, E      | Red-light | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3869 | Site 123 - Thorney Bay Road, Canvey Island (ir   | Mobile    | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 1  | 1 | 0 |
| PA-3870 | Site 125 - A130 Canvey Island (includes site nu  | Mobile    | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3871 | Site 128 - Ashlyns Basildon (includes site numb  | Mobile    | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3872 | Site 129 Felmores Basildon (includes site numb   | Mobile    | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3873 | Site 130 - Long Riding, Basildon (near Thoringl  | Mobile    | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3874 | Site 060 - A1016 Waterhouse Lane, Chelmsford     | Fixed     | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3875 | Site 132 - Ashlyns, Basildon (includes site numb | Mobile    | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3876 | Site 061 - B1137 Springfield Road, Chelmsford    | Fixed     | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 1  | 0 | 0 |
| PA-3877 | Site 135 - Gosbecks Road, Colchester (include    | Mobile    | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |
| PA-3878 | Site 069 - B1099 Broomfield Road, Chelmsford     | Fixed     | 0            | 0         | 0        | 0         | 0         | 0        | 0            | 0         | 0         | 0        | 0         | 0  | 0 | 0 |

Prepopulate data for ALL camera sites ...

The Camera Site Casualty History form displays the casualty and collision data for the site currently selected on the *Camera Site List*.

The exact information shown and requested is:

### Observation Period (Start Date – End Date)

The period for which the reported casualties and collisions occurred. The *Start Date* should always be the first day in the month, and the *End Date* should always be the last day of the month.

### Fatals

Total number of people sustaining 'Fatal' injuries.

### Total KSI Casualties

Total number of people sustaining 'Fatal' or 'Serious' injuries.

### Pedestrian KSI Casualties

Total number of pedestrians sustaining 'Fatal' or 'Serious' injuries.

### Child KSI Casualties

Total number of children sustaining 'Fatal' or 'Serious' injuries.

### Total PIC Casualties

Total number of people sustaining 'Fatal', 'Serious', or 'Slight' injuries.

### Pedestrian PIC Casualties

Total number of pedestrians sustaining 'Fatal', 'Serious', or 'Slight' injuries.

---

*Child PIC Casualties*

Total number of children sustaining 'Fatal', 'Serious', or 'Slight' injuries.

*Total KSI Collisions*

Total number of collisions leading to people sustaining 'Fatal' or 'Serious' injuries.

*Total PIC Collisions*

Total number of collisions leading to people sustaining 'Fatal', 'Serious', or 'Slight' injuries.

*Pedestrian PIC Collisions*

Total number of collisions leading to pedestrians sustaining 'Fatal', 'Serious', or 'Slight'.

*Child PIC Collisions*

Total number of collisions leading to children sustaining 'Fatal', 'Serious', or 'Slight' injuries.

*Comment (Optional)*

Any comments relating to the collision and casualty observations.

A button captioned 'Prepopulate data for All camera sites...' is located below the *Camera Site List* (on the left hand side of the form).

Pressing this button will activate a form enabling the user to insert '0'-values for all casualty and collision data for all camera sites for a specified month.

This is described in more detail under *Prepopulating collision and casualty data*.

## 5. Prepopulating Collision and Casualty Data

**Automatic Casualty and Collision Entries**

**Automatically create Casualty and Collision entries for ALL camera sites**

OK  
Cancel

- This function allows you to automatically create new entries for ALL camera sites with at least 1 active location in the month specified below.
- Note that by default these new entries will all have '0' casualties.
- You can then manually amend those data where casualties/collisions have occurred.

Month:

To perform an automatic pre-population of casualties and collisions for all sites please specify the month for which to generate the entries and press 'OK'. Upon confirmation entries containing '0'-values will be generated for all sites with at least one active camera location.

The form will automatically close and return you to the Casualty History form.

## 6. Speed and Traffic Flow

**Camera Site Information**

Operational Case Preview | Site Details | Site History | Casualty History | **Speed and Traffic Flow** | Enforcement History | Essex ID 42

| ID      | Name   | Type      |
|---------|--|-----------|
| PA-3850 | Site 083 - B1013 Southend Road, Hockley          | Fixed     |
| PA-3851 | Site 084 - A120 Dunmow Road, Takeley (inclu      | Fixed     |
| PA-3852 | Site 095 B173 Lambourne Rd jw A1112 Gravel       | Red-light |
| PA-3853 | Site 086 - A1060 Rowwell Road, Chelmsford        | Fixed     |
| PA-3854 | Site 087 - A1232 Ipswich Road, Colchester (inc   | Fixed     |
| PA-3855 | Site 088 - A132 Nevendon Road, Wickford (inc     | Fixed     |
| PA-3856 | Site 081 - B186 South Rd, Sth Ockendon (incl     | Fixed     |
| PA-3857 | Site 089 - A132 Nevendon Road, Wickford (inc     | Fixed     |
| PA-3858 | Site 077 A133 Cowdray Ave jw Mason Rd, Col       | Red-light |
| PA-3859 | Site 091 A127 Southend Arterial Rd Leigh (incl   | Fixed     |
| PA-3860 | Site 092 A127 Southend Arterial Rd Leigh         | Fixed     |
| PA-3861 | Site 093 A127 Prince Ave Westcliff on Sea        | Fixed     |
| PA-3862 | Site 094 A13 London Rd Leigh On Sea              | Fixed     |
| PA-3863 | Site 095 A13 London Rd Leigh on Sea              | Fixed     |
| PA-3864 | Site 096 Queensway Southend (includes site nu    | Fixed     |
| PA-3865 | Site 097 - Panfield Lane, Braintree (Nr Kings R  | Mobile    |
| PA-3866 | Site 082 - A132 Runwell Rd, Wickford             | Fixed     |
| PA-3867 | Site 133 - Thorney Bay Road, Carvey Island       | Mobile    |
| PA-3868 | Site 078 A1321 Broadmayne jw Southernhay, E      | Red-light |
| PA-3869 | Site 123 - Thorney Bay Road, Carvey Island (ir   | Mobile    |
| PA-3870 | Site 125 - A130 Carvey Island (includes site nu  | Mobile    |
| PA-3871 | Site 128 - Ashlyns Basildon (includes site numb  | Mobile    |
| PA-3872 | Site 129 Felmores Basildon includes site numb    | Mobile    |
| PA-3873 | Site 130 - Long Riding, Basildon (near Thorring  | Mobile    |
| PA-3874 | Site 060 - A1016 Waterhouse Lane, Chelmsford     | Fixed     |
| PA-3875 | Site 132 - Ashlyns, Basildon (includes site numb | Mobile    |
| PA-3876 | Site 061 - B1137 Springfield Road, Chelmsford    | Fixed     |
| PA-3877 | Site 135 - Gosbecks Road, Colchester (include    | Mobile    |
| PA-3878 | Site 089 - B1009 Runwell Rd, Wickford            | Fixed     |

Update Speed Limit History for all camera sites

**Camera Locations**

| Fixed                               | Identifier | Status |
|-------------------------------------|------------|--------|
| <input checked="" type="checkbox"/> | PA-3853-01 | Active |

Direction: 1-way | Easting: 569263 | Northing: 207501 | Equipment: [Dropdown]

**Speed Survey History**

| Year | Month   | Average Speed | 85th Percentile Speed | % Above Speed Limit | % More Than 15 mph Above Speed Limit | Average Daily Traffic 2-Way | Speed Limit |
|------|---------|---------------|-----------------------|---------------------|--------------------------------------|-----------------------------|-------------|
| 2002 | Decem   | 30            | 35                    | 38                  | 0                                    | 16168                       | 30          |
| 2003 | Februar | 27            | 30                    | 8                   | 0                                    | 15046                       | 30          |
| 2003 | August  | 27            | 30                    | 8                   | 0                                    | 14828                       | 30          |
| 2004 | Februar | 26            | 30                    | 5                   | 0                                    | 14766                       | 30          |
| *    |         |               |                       |                     |                                      |                             |             |

Comment: Baseline Speed Survey - Please Correct Date. | Easting: [ ] | Northing: [ ]

The Camera Site Speed and Traffic Flow form displays the speed survey data for the site currently selected on the *Camera Site List*.

The form is divided into 2 main areas:

### 1. Camera Location List

This is located on the top right the form and displays the Camera Locations associated with the selected camera site. For details on the information shown on the list, please refer to the *Site History* section.

A button called 'Update Speed Limit History for all camera sites' is located below the list. Pressing this button will update all speed survey records with the correct speed limit based on the information in the site history. This will speed up the processing of validation and report queries.

### 2. Speed Survey History

This is located in the bottom right part of the form and displays the speed survey history for the currently selected *Camera Location*.

The exact information shown and requested is:

#### Year – Month

The period in which the speed survey was conducted.

#### Average Speed

The average speed of surveyed vehicles (mph).

#### 85th Percentile Speed

The speed at which 85% of surveyed vehicles travel (mph)

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*% Above the speed limit*

Percentage of surveyed vehicles that are travelling at a speed above the speed limit

*% 15mph or more above the speed limit*

Percentage of surveyed vehicles that are travelling at a speed 15 mph or more above the speed limit.

*Average Daily traffic*

Average Daily Traffic Flow measured over the survey period.

*2Way*

Is the specified traffic flow the sum of both directions?

*Speed Limit*

Speed limit at the time of the survey. To change this, please update the *Site History*.

*Comment (Optional)*

Any comments relating to the speed survey.

*Map Coordinates (Easting, Northing) (Optional)*

Map coordinates where this survey was undertaken.

**NOTE:** Speed Surveys

Although speed surveys are linked to a Camera Location (as opposed to directly to the Site) this does not indicate that you are required to carry out individual speed surveys for each location.

Guidelines for carrying out speed surveys can be found in the Programme Handbook (Section 6.3).

## 7. Enforcement History

**Camera Site Information**

Operational Case Preview | Site Details | Site History | Casualty History | Speed and Traffic Flow | Enforcement History | Essex ID 42

| ID      | Name   | Type      |
|---------|--|-----------|
| PA-3850 | Site 083 - B1013 Southend Road, Hockley          | Fixed     |
| PA-3851 | Site 084 - A120 Dunmow Road, Takeley (includ     | Fixed     |
| PA-3852 | Site 085 B173 Lambourne Rd jw A1112 Gravel       | Red-light |
| PA-3853 | Site 086 - A1060 Rowwell Road, Chelmsford        | Fixed     |
| PA-3854 | Site 087 - A1232 Ipswich Road, Colchester (inc   | Fixed     |
| PA-3855 | Site 088 - A132 Nevendon Road, Wickford (inc     | Fixed     |
| PA-3856 | Site 081 - B186 South Rd, Sth Ockendon (inclu    | Fixed     |
| PA-3857 | Site 089 - A132 Nevendon Road, Wickford (inc     | Fixed     |
| PA-3858 | Site 077 A133 Cowdray Ave jw Mason Rd, Cok       | Red-light |
| PA-3859 | Site 091 A127 Southend Arterial Rd Leigh (incl   | Fixed     |
| PA-3860 | Site 092 A127 Southend Arterial Rd Leigh         | Fixed     |
| PA-3861 | Site 093 A127 Prince Ave Westcliff on Sea        | Fixed     |
| PA-3862 | Site 094 A13 London Rd Leigh On Sea              | Fixed     |
| PA-3863 | Site 095 A13 London Rd Leigh on Sea              | Fixed     |
| PA-3864 | Site 096 Queensway Southend (includes site nu    | Fixed     |
| PA-3865 | Site 097 - Panfield Lane, Braintree (Nr Kings Rc | Mobile    |
| PA-3866 | Site 082 - A132 Runwell Rd, Wickford             | Fixed     |
| PA-3867 | Site 133 - Thorney Bay Road, Canvey Island       | Mobile    |
| PA-3868 | Site 078 A1321 Broadmayne jw Southernhay, E      | Red-light |
| PA-3869 | Site 123 - Thorney Bay Road, Canvey Island (ir   | Mobile    |
| PA-3870 | Site 125 - A130 Canvey Island (includes site nu  | Mobile    |
| PA-3871 | Site 128 - Ashlyns Basildon (includes site numb  | Mobile    |
| PA-3872 | Site 129 Felmores Basildon (includes site numb   | Mobile    |
| PA-3873 | Site 130 - Long Riding, Basildon (near Thorringl | Mobile    |
| PA-3874 | Site 060 - A1016 Waterhouse Lane, Chelmsford     | Fixed     |
| PA-3875 | Site 132 - Ashlyns, Basildon (includes site numb | Mobile    |
| PA-3876 | Site 061 - B1137 Springfield Road, Chelmsford    | Fixed     |
| PA-3877 | Site 135 - Gosbecks Road, Colchester (include    | Mobile    |
| PA-3878 | Site 062 - B1009 Runwell Rd, Wickford            | Fixed     |

Set new threshold for ALL camera sites ...

**Camera Locations**

| Fixed                               | Identifier | Status |
|-------------------------------------|------------|--------|
| <input checked="" type="checkbox"/> | PA-3853-01 | Active |

Direction: 1-way | Easting: 569263 | Northing: 207501 | Equipment: [Dropdown]

**Location Enforcement History**

| Year | Month     | #Hours | #Activations |
|------|-----------|--------|--------------|
| 2004 | December  | 2016   |              |
| 2004 | September | 1848   |              |
| 2004 | June      | 1848   |              |
| 2004 | March     | 2016   |              |
| 2003 | December  | 2184   |              |
| 2003 | September | 1344   |              |
| 2003 | June      | 1512   |              |
| 2003 | March     | 2016   |              |
| 2002 | December  | 504    |              |
| *    |           |        |              |

Comment: This is calculated from v2 - 1 day is translated into 24 hours.

The Camera Site Enforcement History form displays the enforcement history for the site currently selected on the *Camera Site List*.

The form is divided into 2 main areas:

### 1. Camera Location List

This is located on the top right the form and displays the Camera Locations associated with the selected camera site. For details on the information shown on the list, please refer to the *Site History* section.

### 2. Enforcement History

This is located in the right half of the form and displays the enforcement history for the currently selected *Camera Location*.

Enforcement History data should be supplied with a monthly breakdown at *Camera Location* level.

The exact information shown and requested is:

#### Year – Month

The period for which the enforcement data is supplied.

#### #Hours

The number of hours during the specified period where active enforcement has taken place at this camera location - i.e. how many hours have a live camera unit been in operation at this camera location?

For fixed locations, the hours reported should be the total time (to nearest hour) from the camera unit is placed in the housing until it is removed.

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**Example:**

A camera-unit is placed in a housing Monday 1pm and removed the following Wednesday at 11am. This should be reported as 46 hour of enforcement.

*Activations*

Total number of camera activations at this location in this month.

## D. OPERATIONAL CASE SUBMISSION AND APPROVAL

When submitting the Operational Case for Programme Board approval, the back-end database should be submitted along with any other documentation required (as specified in the Programme Handbook).

Upon Operational Case approval, you will receive a NSCP Monitoring Tool update that will update the classification of your 'Proposed' sites to 'Core' status.

You are then required to update and provide the information for these sites as described in the section Ongoing Data Management and Submission.

### 1. Providing Operational Case Data

Once a proposed site is appended successfully, it will appear on the *Camera Site List*

In order to prepare the operational case for this site, you are now required to provide a minimum of 5 years worth of Collision History and Casualty History (in yearly records) as well as minimum one Speed and Traffic Flow survey.

The start and end dates of this 3-year *Operational Case Qualification Period* should be specified on the *Site Details* form. This period should correspond to the latest 3 yearly records of the 5 to be submitted.

The Speed survey should be no older than 12 months at the time of Operational Case Submission.

A preview of the operational case status for each site can be viewed on the *Operational Case Preview* form.

### 2. Operational Case Preview

| ID            | Name                                   | Type      | Period           | Site Length | Collision Criteria Points | Collision Criteria KSI | Speed Criteria 85th percentile | #Housings /km |
|---------------|--|-----------|------------------|-------------|---------------------------|------------------------|--------------------------------|---------------|
| 6473          | NW 11 A 0040                           | Route     | Jan-90 to Dec-94 | 1,0         | OK                        | OK                     |                                | 0,0           |
| CR-B-27010    | A4020 Uxbridge Rd Nr Park View Rd W/I  | Red-light | Jan-98 to Dec-00 | 0,1         |                           |                        |                                | 20,0          |
| OK CSTH-23018 | A3 Kingston Bypass j/w Huntley Way N/E | Fixed     | Jan-90 to Dec-94 | 1,0         | OK                        | OK                     | OK                             | 1,0           |

The *Operational Case Preview* form displays key operational case data for any proposed



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sites within the partnership.

The exact information shown is

*Site ID, Name, and Type*

For more information on these fields please refer to *Camera Site Details*.

*Operational Case Period*

The period during which the site is to be evaluated.

*Site Length*

Length of road covered within the site in kilometres. For more information please refer to *Camera Site Details*.

*Collisions Criteria (Points and KSI)*

This is calculated based on the Site Collision History, the Operational Case Period, and the Proposed Site Length (both present on the *Camera Site Details* form).

If the site meets the current criteria an 'OK' will appear (one for PIC and one for KSI).

*Speed Criteria (85<sup>th</sup> percentile speed)*

Based on the latest Speed survey data from site (in the Operational Case Period) it is evaluated whether the site meets the criteria.

If the site meets the current criteria an 'OK' will appear (one for % Above, and one for 85<sup>th</sup> percentile speed)

*# Housings / km*

Number of fixed housings per km.

If the site meets all required criteria, a green 'OK' will appear to the left of the 'Site ID' column.

For details on the Site Criteria, please refer to the Programme Handbook.

## E. NATIONAL CONTACT INFORMATION

| National Partnership Personnel and Contact Details |                             |                 |  |                |              |  |  |
|--|-----------------------------|-----------------|--|----------------|--------------|--|--|
| Partnership  | Role                        | Name            | Email  | Telephone      | Mobile       |  |  |
| Lincolnshire                                       | Treasurer                   | Adam Hillman    | <a href="mailto:adam.hillman@hbs.uk.com">adam.hillman@hbs.uk.com</a>                                   | 01522 836438   |              |  |  |
| West Mids  | Communications Manager      | Adam Warwick    | <a href="mailto:a.warwick@west-midlands.police.uk">a.warwick@west-midlands.police.uk</a>               | 0121 6326 5232 | 07909 872864 |  |  |
| West Mids  | Fol Lead                    | Adam Warwick    | <a href="mailto:a.warwick@west-midlands.police.uk">a.warwick@west-midlands.police.uk</a>               | 0121 6326 5232 | 07909 872864 |  |  |
| Lancashire   | Alternative Contact         | Adrian Emberton | <a href="mailto:adrian.emberton@lancashire.pnn.police.uk">adrian.emberton@lancashire.pnn.police.uk</a> | 01254 299903   |              |  |  |
| Dorset   | Partnership Chair           | Adrian Whiting  | <a href="mailto:adrian.whiting@dorset.pnn.police.uk">adrian.whiting@dorset.pnn.police.uk</a>           | 01305 223706   |              |  |  |
| Nottinghamshire                                    | Data Manager                | Al Thorn        | <a href="mailto:al.thorn@nottscc.gov.uk">al.thorn@nottscc.gov.uk</a>                                   | 0115 977 4765  |              |  |  |
| South Yorkshire                                    | Communications Manager      | Alan Brailey    | <a href="mailto:alan.brailey@southworks.pnn.police.uk">alan.brailey@southworks.pnn.police.uk</a>       | 0114 296 1228  | 07909 687610 |  |  |
| Warwickshire                                       | Treasurer                   | Alan Bury       | <a href="mailto:alanbury@warwickshire.gov.uk">alanbury@warwickshire.gov.uk</a>                         | 01926 412724   |              |  |  |
| Leicestershire                                     | Treasurer                   | Alan Tomlins    | <a href="mailto:tomla001@leics.gov.uk">tomla001@leics.gov.uk</a>                                       | 0116 252 7390  |              |  |  |
| Gloucestershire                                    | Data Manager                | Alexandra Luck  | <a href="mailto:alexandra.luck@gloucestershire.gov.uk">alexandra.luck@gloucestershire.gov.uk</a>       | 01452 426451   |              |  |  |
| Nottinghamshire                                    | Communications Manager      | Alison Richards | <a href="mailto:alison.richards@nottinghamcity.gov.uk">alison.richards@nottinghamcity.gov.uk</a>       | 0115 915 6147  |              |  |  |
| Surrey   | Communications Manager      | Andrea Murray   | <a href="mailto:andrea.murray@surrey-safecam.org">andrea.murray@surrey-safecam.org</a>                 | 020 8541 8954  | 07813 705351 |  |  |
| Surrey   | Fol Lead                    | Andrea Murray   | <a href="mailto:andrea.murray@surrey-safecam.org">andrea.murray@surrey-safecam.org</a>                 | 020 8541 8954  | 07813 705351 |  |  |
| Surrey   | Communications Manager      | Andrea Murray   | <a href="mailto:andrea.murray@surrey-safecam.org">andrea.murray@surrey-safecam.org</a>                 | 020 8541 8954  |              |  |  |
| Kent and Medway                                    | Data Manager                | Andrew Harris   | <a href="mailto:andrew.harris@atkinsglobal.com">andrew.harris@atkinsglobal.com</a>                     | 01245 245136   |              |  |  |
| Kent and Medway                                    | Partnership Chair           | Andrew Harris   | <a href="mailto:andrew.harris@atkinsglobal.com">andrew.harris@atkinsglobal.com</a>                     | 01245 245136   |              |  |  |
| Kent and Medway                                    | Project Manager             | Andrew Harris   | <a href="mailto:andrew.harris@atkinsglobal.com">andrew.harris@atkinsglobal.com</a>                     | 01245 245136   |              |  |  |
| West Mids  | Project Manager             | Andrew Pearce   | <a href="mailto:a.pearce@west-midlands.police.uk">a.pearce@west-midlands.police.uk</a>                 | 01480 422588   | 07711 641532 |  |  |
| Cambridgeshire                                     | Fol Lead                    | Andy Chatfield  | <a href="mailto:andy.chatfield@cambs.pnn.police.uk">andy.chatfield@cambs.pnn.police.uk</a>             | 01480 422588   | 07711 641532 |  |  |
| Cambridgeshire                                     | Project Manager             | Andy Chatfield  | <a href="mailto:andy.chatfield@cambs.pnn.police.uk">andy.chatfield@cambs.pnn.police.uk</a>             | 01480 422588   | 07711 641532 |  |  |
| Cambridgeshire                                     | Partnership Chair           | Andy Chatfield  | <a href="mailto:andy.chatfield@cambs.pnn.police.uk">andy.chatfield@cambs.pnn.police.uk</a>             | 01480 422588   | 07711 641532 |  |  |
| Cumbria  | Project Manager's Assistant | Andy James      | <a href="mailto:andy.james@cumbria.police.uk">andy.james@cumbria.police.uk</a>                         | 01768 217747   |              |  |  |
| Mid and South Wales                                | Communications Manager      | Angharad Neagle | <a href="mailto:a.neagle@neath-porttalbot.gov.uk">a.neagle@neath-porttalbot.gov.uk</a>                 | 02920 633468   | 07973 159048 |  |  |
| West Yorkshire                                     | Project Manager             | Anne Millman    | <a href="mailto:am20@westyorkshire.pnn.police.uk">am20@westyorkshire.pnn.police.uk</a>                 | 01274 376800   |              |  |  |
| North Wales  | Treasurer                   | Arwel Jones     | <a href="mailto:dawjones@flintshire.gov.uk">dawjones@flintshire.gov.uk</a>                             | 01352 704910   |              |  |  |
| Programme Office                                   | Programme Assurance Office  | Barbara Foster  | <a href="mailto:barbara.foster@dtf.qsi.gov.uk">barbara.foster@dtf.qsi.gov.uk</a>                       |                | 07917 077786 |  |  |
| Dorset   | Treasurer                   | Barry Kyles     | <a href="mailto:barry.kyles@bournemouth.gov.uk">barry.kyles@bournemouth.gov.uk</a>                     | 01202 451246   |              |  |  |
| Programme Office                                   | External Analyst            | Ben Heydecker   | <a href="mailto:ben@transport.ucl.ac.uk">ben@transport.ucl.ac.uk</a>                                   |                |              |  |  |

This form shows a list of contact information for all partnerships. The list can be sorted by partnership, role, and name by clicking the appropriate buttons at the top of the list.

The list is based on data located in the User Interface and can, as such, be updated by the programme office sending out a new version of the UI.

## F. DATA VALIDATION AND REPORTING

**Reporting Options**      **Run Report**

**Data Validation**      **Management Information**      **Data Validation Reports**      **Show Report(s)**      **Save Report(s) to file**

**Select Partnership Area(s):**

| Description                                    |                                     |
|--|-------------------------------------|
| Suspicious Speed Survey Data                   | <input checked="" type="checkbox"/> |
| Suspicious Collision and Casualty observations | <input type="checkbox"/>            |
| Large positive Collision and Casualty Effects  | <input type="checkbox"/>            |
| Miracle Cure                                   | <input type="checkbox"/>            |
| Overlapping Casualty History Periods           | <input type="checkbox"/>            |

Query Name: qVal\_CameraSpeed\_AllIssues

The Reporting form enables the user to extract information from the NSCP Data Monitoring Tool. The form is divided into 3 main areas:

### 1. Reporting Options Selector

This is located at the top left of the form and is used to toggle between the different types of reports available.

There are 2 types of reports available:

- *Data Validation Reports* - These are aimed at identifying missing or 'suspect' data in order to enhance the quality of the data.
- *Management Information Reports* - These are aimed at providing valuable information on camera sites, casualty trends, etc.

### 2. Run Report Panel

This is located at the top right of the form and is used to run the selected reports for the selected partnerships.

Pressing the *Show Report(s)* will generate the reports on screen, whereas pressing the *Save Report(s) to file* will save the reports as RTF formatted text files in the same folder on your computer as your NSCP v3 User Interface.

### 3. Partnership List

This list shows all partnerships areas in the current database and is used to select the partnership(s) for which to run one or more reports. The buttons, 'Select All' and 'Deselect All' will select or deselect all partnerships on the list.

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#### 4. Report List

When in Data Validation mode, this section displays a list of the reports available.

When in Management Information mode, this section also displays a number of buttons each providing access to a Management Information Report form.

The type of reports listed depends on the current setting of the *Reporting Options Selector*.

To generate a report, simply click the selector field to the right of the report name select the appropriate option in the *Run Report Panel*.

#### 1. Validation Reports

##### A. SUSPICIOUS SPEED SURVEY DATA

This report will list speed survey observations where:

- Values are missing (avg speed, 85th percentile speed, % above, % 15mph above), or 0 (avg speed, 85th percentile speed)
- ([85th percentile speed] < [Speed Limit]) AND ([% above speed limit] > 15)
- ([85th percentile speed] < [Speed Limit] + 15) AND ([% 15 mph above speed limit] > 15)
- [85th percentile speed] <= [avg speed]
- ([% 15 mph above speed limit] >= [% above speed limit]) AND ([% 15 mph above speed limit] > 0)

##### B. SUSPICIOUS COLLISION AND CASUALTY OBSERVATIONS

This report will list collision and casualty observations where:

- there is a casualty but no corresponding collision - KSI (Total), and PIC (Total, Pedestrian, Child)
- there are more collisions than corresponding casualties - KSI (Total), and PIC (Total, Pedestrian, Child)
- there are more Child or Pedestrian PIC collisions than there is total
- there are more Child or Pedestrian casualties than there is total - KSI and PIC
- there are more fatals than KSI casualties, or more KSI casualties than PIC casualties

##### C. LARGE POSITIVE COLLISION AND CASUALTY EFFECTS

This report will list sites where the annual number of incidents in the 'after period' is down by more than 50% compared to the before period.

In order to be included in the evaluation, sites will have to have

- A minimum of 12 months of 'after' observations.

- 
- A minimum number of incidents in either the baseline or 'after' period (PIC: 10, KSI: 3, Child PIC: 5, Child KSI: 3, Ped PIC: 5, Ped KSI: 3).

**D. MIRACLE CURE**

This report will list sites where either of the conditions below are met.

- Annual number of Personal Injury Collisions in the before period is > 5 and the annual equivalent in the 'after period' is 0 (minimum 12 months after data)
- Annual number of Personal Injury Casualties in the before period is > 5 and the annual equivalent in the 'after period' is 0 (minimum 12 months after data)
- Annual number of KSI Collisions in the before period is > 3 and the annual equivalent in the 'after period' is 0 (minimum 12 months after data)
- Annual number of KSI Casualties in the before period is > 3 and the annual equivalent in the 'after period' is 0 (minimum 12 months after data)

**E. OVERLAPPING CASUALTY HISTORY PERIODS**

This report will list collision and casualty observations that have overlapping time periods – e.g. if a site has a 3 year baseline period defined from 2000-01-01 to 2002-12-31 while also having a record for the period 2001-08-1 to 2001-08-31.

**F. INCOMPLETE CAMERA LOCATION HISTORY**

This report will list Sites and Camera Locations which does not have the minimum required Location History specified. As a minimum, Locations are expected to have the following events recorded in their history:

- 1. Established
- 8. Speed Limit
- 9. Enforcement Threshold

**G. PROPOSED SITES MISSING DATA**

This report will list Proposed Sites which does not have the minimum required data specified. As a minimum, Proposed sites are expected to have the following data:

- Speed Survey carried out in the Operational Case Period
- 5 yearly collision and casualty history records
- Operational Case Period defined as a 3-year period covering 3 of the collision and casualty history records.

**2. Management Information Reports**

**A. SITE LIST**

This report will provide a list of sites with annualised collisions and casualties.

## B. PARTNERSHIP WIDE COLLISION AND CASUALTY OVERVIEW

This report provides an overview of collision and casualties that have occurred at established camera sites (i.e. not including 'baseline' or 'pre-camera' numbers) for each partnership. The numbers exclude sites specified to be within the area of another site in order to avoid double counting.

## C. PARTNERSHIP SITE COUNT

This report provides a count of sites by financial year.

## D. OPERATIONAL CASE – LIST OF PROPOSED SITES

This report provides a list of proposed sites with the data required to approve them. This includes a graphical representation of the 5 yearly collision and casualty records.

## E. SITE RANKING

| Ranking Criteria      | Weight |
|-----------------------|--------|
| Fatal casualties      | 2      |
| KSI casualties        | 1      |
| PIC casualties        | 1      |
| KSI collisions        | 1      |
| PIC collisions        | 1      |
| Fatal casualties / km | 1      |
| KSI casualties / km   | 1      |
| PIC casualties / km   | 1      |
| KSI collisions / km   | 1      |
| PIC collisions / km   | 1      |

| Ranking Period                                 |
|--|
| <input type="radio"/> Site Baseline            |
| <input checked="" type="radio"/> Common period |

| From | To |
|------|----|
|      |    |

| Site ID    | Site Name  | Start Date | End Date  | Total Score |
|------------|--|------------|-----------|-------------|
| CR---09022 | Clapham Rd j/w Stockwell Rd S/B SW9 (4051)         | 01-jan-98  | 31-dec-00 | 1155        |
| CR---09023 | Brixton Rd j/w Caldwell St N/B SW9 (4056)          | 01-jan-98  | 31-dec-00 | 588         |
| CR-B-00001 | Long Lane / Aldersgate Street (C28)                | 01-jan-98  | 31-dec-00 | 336         |
| CR-B-00002 | London Wall / Wood Street (C55)                    | 01-jan-98  | 31-dec-00 | 105         |
| CR-B-00003 | Camomile Street / Bishopsgate (C25)                | 01-jan-98  | 31-dec-00 | 546         |
| CR-B-00004 | Bishopsgate / Houndsditch (C46)                    | 01-jan-98  | 31-dec-00 | 273         |
| CR-B-00005 | Byward Street / Great Tower Street (C36)           | 01-jan-98  | 31-dec-00 | 402         |
| CR-B-00006 | Upper Thames Street / Queen Street (C15)           | 01-jan-98  | 31-dec-00 | 400         |
| CR-B-00007 | Victoria Embankment / Temple Avenue (C05)          | 01-jan-98  | 31-dec-00 | 441         |
| CR-B-00008 | Fleet Street / Fetter Lane (C31)                   | 01-jan-98  | 31-dec-00 | 294         |
| CR-B-00009 | Newgate Street / Old Bailey (C08)                  | 01-jan-98  | 31-dec-00 | 210         |
| CR-B-00010 | Minories / Crosswall (C03)                         | 01-jan-98  | 31-dec-00 | 84          |
| CR-B-00011 | New Bridge Street / Queen Victoria Street (C06)    | 01-jan-98  | 31-dec-00 | 399         |
| CR-B-00012 | Farringdon Street / Stonecutter Street (C27)       | 01-jan-98  | 31-dec-00 | 462         |
| CR-B-01001 | A202 Bessborough Gdns j/w Millbank S/B SW1 (8027)  | 01-jan-98  | 31-dec-00 | 925         |
| CR-B-01004 | The Strand / Melbourne Pl W/B WC2 (8023)           | 01-jan-98  | 31-dec-00 | 567         |
| CR-B-01007 | A5204 Seymour St / Gt Cumberland Pl W/B NW1 (8008) | 01-jan-98  | 31-dec-00 | 126         |
| CR-B-01008 | A4201 Regent St / A40 Oxford St N/B W1 (8011)      | 01-jan-98  | 31-dec-00 | 1638        |
| CR-B-01010 | A4201 Langham Pl / Mortimer St S/B W1 (8010)       | 01-jan-98  | 31-dec-00 | 126         |

The Camera Site Ranking report allows you to rank sites on a combination of collision and casualty parameters.

When using the report, please make sure that your partnership is selected in the *Select Partnership* drop-down list.

Below this list, the *Ranking Criteria* are listed. In this section you should specify the weight to assign each of the criteria when ranking the sites. If a criterion should not be included in the calculation, the *Weight* field should be left blank.

At the bottom left, you should specify the period over which to evaluate the sites. There are two options:

### A. Site Baseline.

Selecting this will evaluate each site during its *Operational Case Qualification Period* (or *Alternative Baseline Period* if one is defined) – i.e. sites will not necessarily be measured over the same period of time.

**B. Common Period.**

Selecting this will enable you to specify a common period over which all sites will be evaluated. Only collision and casualty observations, which are entirely within the selected period, will be included in the calculation.

When you are satisfied with your selections, please press the *Rank Sites* button.

The resulting site ranking will appear on the right side of the form, where it can be ordered by Site ID, Name, or Rank.

**F. SITE EFFECT**

Select Partnership

Select Incidents to Investigate

Casualties  Fatal  All KSI  Ped KSI  Child KSI  All PIC  Ped PIC  Child PIC **Collisions**  All KSI  All PIC  Ped PIC  Child PIC

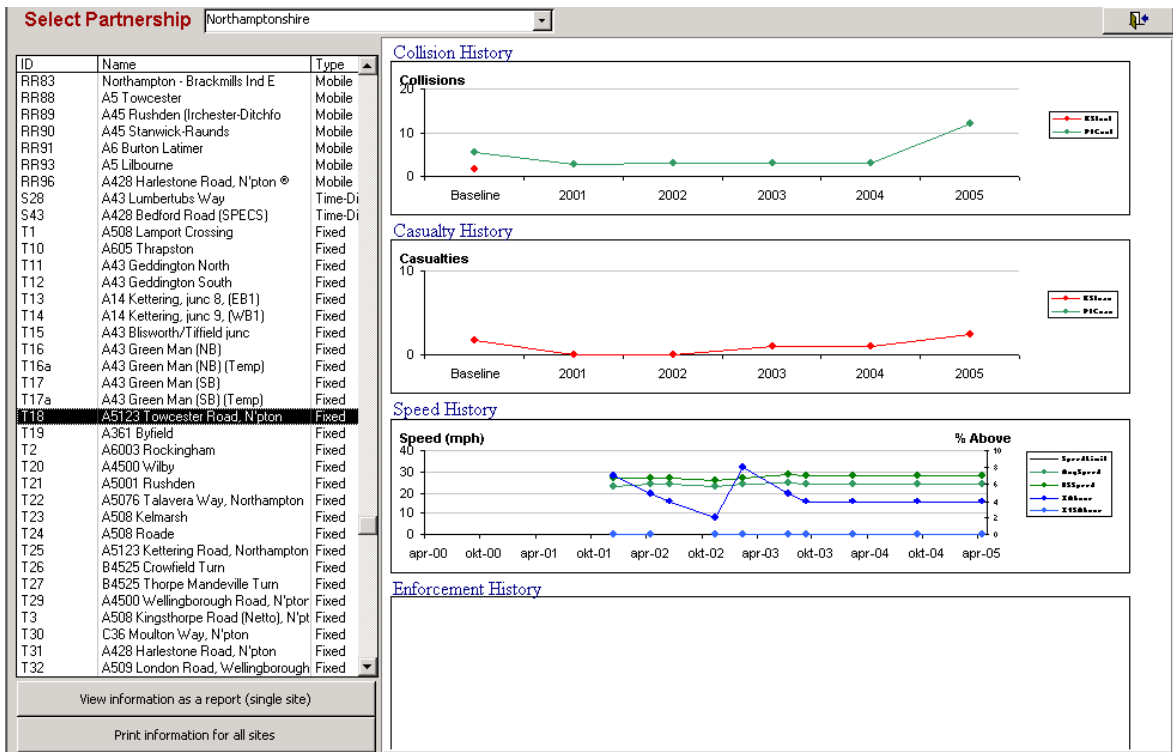
| Site ID      | Site Name  | Before Period |           | Total       | Annual       | After Period |              | Total | Annual | Effect | Total # avoided |
|--------------|--|---------------|-----------|-------------|--------------|--------------|--------------|-------|--------|--------|-----------------|
|              |  | Start Date    | End Date  |             |              | Start Date   | End Date     |       |        |        |                 |
| CR--09022    | Clapham Rd j/w Stockwell Rd S/B SW9 (4051)         | 01-jan-98     | 31-dec-00 | 5           | 1.7          | 01-mar-01    | 31-dec-04    | 9     | 2.3    | 41%    | -2.6            |
| CR--09023    | Brixton Rd j/w Caldwell St N/B SW9 (4056)          | 01-jan-98     | 31-dec-00 | 3           | 1.0          | 01-apr-01    | 31-dec-04    | 2     | 0.5    | -47%   | 1.8             |
| CR-B-00001   | Long Lane / Aldersgate Street (C28)                | 01-jan-98     | 31-dec-00 | 2           | 0.7          | 01-jan-01    | 31-dec-04    | 0     | 0.0    | -100%  | 2.7             |
| CR-B-00002   | London Wall / Wood Street (C55)                    | 01-jan-98     | 31-dec-00 | 0           | 0.0          | 01-jan-01    | 31-dec-04    | 2     | 0.5    | 50%    | -2.0            |
| CR-B-00003   | Camomile Street / Bishopsgate (C25)                | 01-jan-98     | 31-dec-00 | 3           | 1.0          | 01-jan-01    | 31-dec-04    | 6     | 1.5    | 50%    | -2.0            |
| CR-B-00004   | Bishopsgate / Houndsditch (C46)                    | 01-jan-98     | 31-dec-00 | 2           | 0.7          | 01-jan-01    | 31-dec-04    | 0     | 0.0    | -100%  | 2.7             |
| CR-B-00005   | Byward Street / Great Tower Street (C36)           | 01-jan-98     | 31-dec-00 | 4           | 1.3          | 01-jan-01    | 31-dec-04    | 0     | 0.0    | -100%  | 5.3             |
| CR-B-00006   | Upper Thames Street / Queen Street (C15)           | 01-jan-98     | 31-dec-00 | 3           | 1.0          | 01-jan-01    | 31-dec-04    | 4     | 1.0    | 0%     | 0.0             |
| CR-B-00007   | Victoria Embankment / Temple Avenue (C05)          | 01-jan-98     | 31-dec-00 | 3           | 1.0          | 01-jan-01    | 31-dec-04    | 2     | 0.5    | -50%   | 2.0             |
| CR-B-00008   | Fleet Street / Fetter Lane (C31)                   | 01-jan-98     | 31-dec-00 | 1           | 0.3          | 01-jan-01    | 31-dec-04    | 0     | 0.0    | -100%  | 1.3             |
| CR-B-00009   | Newgate Street / Old Bailey (C08)                  | 01-jan-98     | 31-dec-00 | 0           | 0.0          | 01-jan-01    | 31-dec-04    | 1     | 0.3    | 25%    | -1.0            |
| CR-B-00010   | Minories / Crosswall (C03)                         | 01-jan-98     | 31-dec-00 | 1           | 0.3          | 01-jan-01    | 31-dec-04    | 0     | 0.0    | -100%  | 1.3             |
| CR-B-00011   | New Bridge Street / Queen Victoria Street (C06)    | 01-jan-98     | 31-dec-00 | 2           | 0.7          | 01-jan-01    | 31-dec-04    | 0     | 0.0    | -100%  | 2.7             |
| CR-B-00012   | Farringdon Street / Stonecutter Street (C27)       | 01-jan-98     | 31-dec-00 | 3           | 1.0          | 01-jan-01    | 31-dec-04    | 4     | 1.0    | 0%     | 0.0             |
| CR-B-01001   | A202 Bessborough Gdns j/w Millbank S/B SW1 (8027)  | 01-jan-98     | 31-dec-00 | 4           | 1.3          | 01-jan-01    | 31-dec-04    | 4     | 1.0    | -25%   | 1.3             |
| CR-B-01004   | The Strand / Melbourne Pl W/B WC2 (8023)           | 01-jan-98     | 31-dec-00 | 1           | 0.3          | 01-jan-01    | 31-dec-04    | 6     | 1.5    | 350%   | -4.7            |
| CR-B-01007   | A5204 Seymour St / Gt Cumberland Pl W/B NW1 (8008) | 01-jan-98     | 31-dec-00 | 0           | 0.0          | 01-jan-01    | 31-dec-04    | 0     | 0.0    | 0%     | 0.0             |
| CR-B-01008   | A4201 Regent St / A40 Oxford St N/B W1 (8011)      | 01-jan-98     | 31-dec-00 | 11          | 3.7          | 01-jan-01    | 31-dec-04    | 10    | 2.5    | -32%   | 4.7             |
| <b>Total</b> |  |               |           | <b>1988</b> | <b>662.6</b> | <b>1582</b>  | <b>436.4</b> |       |        |        |                 |

The Camera Site Effect report allows you to rank sites on the absolute and annualized number of collision and casualty incidents as well as the effect in reducing these.

When using the rapport, please make sure that your partnership is selected in the *Select Partnership drop-down* list.

Below this list, please select the *Incident Type*, which you want to look at.

## G. 1-PAGE SITE OVERVIEW



The 1-page Site Overview report provides an 'at a glance'-view of the enforcement levels and effect of an individual camera site.

When using the rapport, please make sure that your partnership is selected in the *Select Partnership* drop-down list.

Below this list, please select the *Camera Site*, which you want to look at. On the right hand site, the report will show the following over time:

- Annualized collisions
- Annualized casualties
- History of speed surveys
- Annualized enforcement levels

Below the Camera Site List, there are two buttons:

- View information as a report (single site)  
Pressing this button will display a 1-page Overview in a MS Access report format for the currently selected site.
- Print information for all sites  
Pressing this button will print of a 1-page Overview report for each site in the selected partnership.



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## G. DATABASE ADMINISTRATION

The NSCP Data Monitoring Tool has been set up on a Microsoft Access 2000 database.

The Tool consists of two separate MS Access files:

- The User Interface (UI) [NSCP UI v3.mde], and
- The back-end [Partnership Name NSCP v3 Data.mdb].

These can be co-located in the same folder on the same computer, or the back-end can be located on a shared drive or server (Please note that locating the back-end on a shared drive or server can slow down the application).

In either case multiple instances of the UI can be linked to the same back-end database.

### 1. Database Administration Form

The screenshot shows a window titled "Database Administration". It contains two main sections. The first section, "Specify Location of Back-End Database", has a text box for "Back-End Database" containing the path "C:\MyClients\DfT Safety Cameras\wNew\w3\Lancashire v3 Data.mdb". To the right of this text box is a "Browse..." button. Below the text box is a "Status Message" field. To the right of the status message field is a "Compact Back-End Database" button. The second section, "Programme Office Data and Knowledge Manager Contact Details", contains contact information for David Hammond: Telephone: 020 7944 6436, Mobile: (blank), and email: David.Hammond@df.t.gsi.gov.uk.

The Database Administration form enables the user to specify and locate the back-end database file currently used by the NSCP Data Monitoring Tool.

The *Back-End Database* field shows the complete path to the current back-end database file.

If the specified file cannot be located by the system, the path will be marked **red**.

To connect to a different file, press the 'Browse..' button to the right, and locate the file.

Below the 'Browse...' button, a button named ' Compact Back-End Database' is located.

Pressing this button will cause the system to 'clean up' the back-end database and minimise the size of the file.

Doing this will automatically close this form and return the user to the Switchboard

At the bottom of the form, contact information for the Programme Office Data and Knowledge Manager can be found.

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### **III. NEW DATA ELEMENTS REQUESTED IN V3**

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The purpose of this section is to highlight the data elements requested in v3, which have not been requested in previous versions of the data-monitoring tool. The section is structured to match the forms of the user interface.

#### **A. PARTNERSHIP DATA**

- Partnership Details  
This data requirement is new to the data monitoring tool.
- Partnership contact information  
This data requirement is new to the data monitoring tool
- Camera Equipment in Operation  
This data requirement is completely new, but should be readily available within partnerships.
- Partnership-wide Exception Enforcement  
This data requirement is completely new, but should be readily available within partnerships.
- Public Attitude Survey  
In order to improve the value of this information, the following new data requirements have been added:
  - Survey Method
  - Target Group
  - Sample size
  - # Respondents

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## **B. CAMERA SITE DATA**

- **Site Details**

The following new data requirements have been added:

- Overlapping Site (where applicable)
- Site Located on Trunk Road
- Date Approved
- Site Class
- Site Coordinates  
This is not completely new, but has been expanded from one point to start and endpoint.
- Operational Case Qualification Period
- Alternative Baseline Period (Optional)
- Approval Hazards

- **Camera Locations / Site History**

- Direction (for fixed camera locations)
- Housing Coordinates

- **Collision and Casualty History**

- Fatal Casualties
- KSI Collisions
- Personal Injury Casualties (total, child, pedestrian)

- **Speed and Traffic Flow**

- 2-way traffic flow
- Speed Survey Location Coordinates (optional)

- **Enforcement history**

- #Activations

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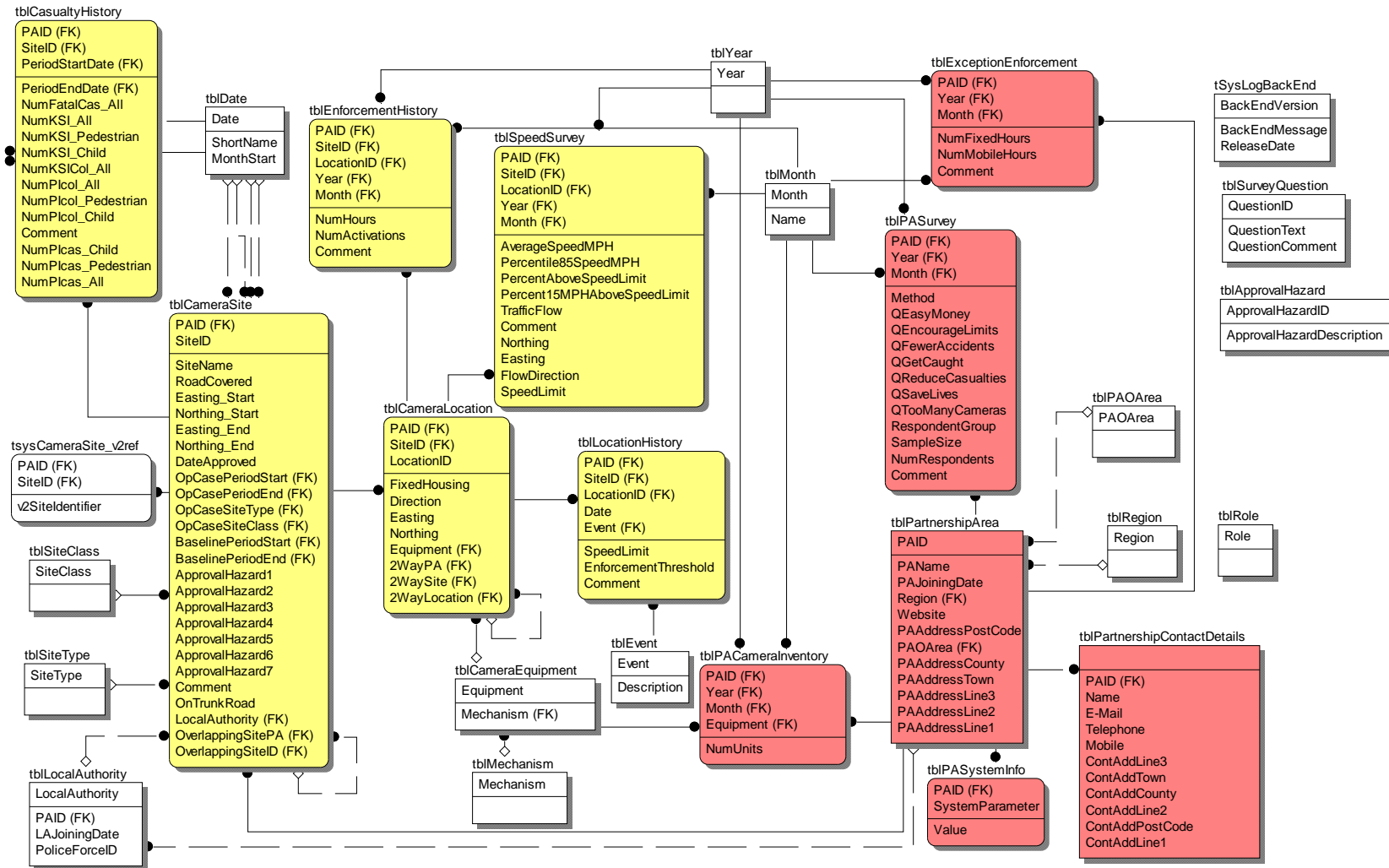
#### **IV. FREQUENTLY ASKED QUESTIONS**

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| <b>Question</b>   | <b>Answer</b>   |
|---|---|
| How do we deal with sites that are not enforced for extended periods of time?                           | Unless the site is decommissioned, collision and casualty data should still be supplied. The lack of enforcement should be apparent from the enforcement effort numbers.  |
| Site Naming Convention – Why do we need the separators?   | Standard separators will enable the search for all sites on a given road for instance.  |
| Observation Period – does it have to start on the 1 <sup>st</sup> and end on the last day of the month? | Yes.  |
| Enforcement History – What if we cannot get this data historically?                                     | It is recognised that obtaining historical data is not always possible. You are encouraged and expected to ‘get what you can with a reasonable effort’. If you have previously used ‘rules of thumb’ to estimate this number, it is up to you whether you think the numbers are ‘good enough’ to be included. |
| Direction of Mobile Locations   | These are assumed to be bi-directional  |
| Do we have to supply grid references for speed surveys?   | No – these are optional   |
| What does ‘Suspended’ mean?   | Taken out of operation and awaiting decommissioning   |
| When I add a Location it is always ‘Inactive’?  | It is inactive until you have specified an ‘Established’ event  |
| When can I delete a camera site from the database   | You should NEVER delete a camera site from the db. Even when the site is decommissioned, the historical data is worth keeping.  |
| When is a camera deemed to be ‘out of action’   | If the camera defect is such that its presence would not have an effect on driver behaviour.  |

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# APPENDIX A: NSCP V3 DATA MODEL



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**Table**

| <b>Table</b>                 |                |
|------------------------------|----------------|
| <b>Name</b>                  | <b>Comment</b> |
| tblApprovalHazard            |                |
| tblCameraEquipment           |                |
| tblCameraLocation            |                |
| tblCameraSite                |                |
| tblCasualtyHistory           |                |
| tblDate                      |                |
| tblEnforcementHistory        |                |
| tblEvent                     |                |
| tblExceptionEnforcement      |                |
| tblLocalAuthority            |                |
| tblLocationHistory           |                |
| tblMechanism                 |                |
| tblMonth                     |                |
| tblPACameraInventory         |                |
| tblPAOArea                   |                |
| tblPartnershipArea           |                |
| tblPartnershipContactDetails |                |
| tblPASurvey                  |                |
| tblPASystemInfo              |                |
| tblRegion                    |                |
| tblRole                      |                |
| tblSiteClass                 |                |

| Table                |              |
|----------------------|--------------|
| Name                 | Comment      |
| tblSiteType          |              |
| tblSpeedSurvey       |              |
| tblSurveyQuestion    |              |
| tblYear              |              |
| tsysCameraSite_v2ref |              |
| tSysLogBackEnd       | Basic System |

| Column(s) of "tblApprovalHazard" Table |           |             |                                       |
|--|-----------|-------------|---------------------------------------|
| Name                                   | Datatype  | Null Option | Comment                               |
| ApprovalHazardID                       | Integer   | NOT NULL    | Hazard leading to camera installation |
| ApprovalHazardDescription              | Text(255) | NULL        |                                       |

| Column(s) of "tblCameraEquipment" Table |          |             |   |
|---|----------|-------------|---|
| Name                                    | Datatype | Null Option | Comment   |
| Equipment                               | Text(50) | NOT NULL    | Camera Equipment (supplier and model)   |
| Mechanism                               | Text(25) | NULL        | Technical application of this equipment:<br><br>Fixed<br>Mobile<br>Speed-Distance<br>Red-light<br>RL-SpeedOnGreen |

| Column(s) of "tblCameraLocation" Table |          |             |         |
|--|----------|-------------|---------|
| Name                                   | Datatype | Null Option | Comment |

| Column(s) of "tblCameraLocation" Table |              |             |   |
|--|--------------|-------------|---|
| Name                                   | Datatype     | Null Option | Comment   |
| PAID                                   | Integer      | NOT NULL    | Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership]   |
| SiteID                                 | Text(10)     | NOT NULL    | Partnership unique site identifier.   |
| LocationID                             | Text(100)    | NOT NULL    | Unique Identifier for this Camera Location.<br><br>One location is required for each fixed housing.<br>Additionally, a minimum of one location is required if there is mobile enforcement at the site.<br>If the site spans multiple speed limits and there is mobile enforcement, then a minimum of one location is required per speed limit zone. |
| FixedHousing                           | Yes/No       | NOT NULL    | Yes: This is a fixed housing.<br>No: This represents one or more mobile locations.  |
| Direction                              | Text(15)     | NULL        | Enforcement Direction of housing (One-Way, Bi-Directional)  |
| Easting                                | Long Integer | NULL        | Easting coordinate of this location (only required for fixed housings)  |
| Northing                               | Long Integer | NULL        | Northing coordinate of this location (only required for fixed housings)   |
| Equipment                              | Text(50)     | NULL        | Camera Equipment (supplier and model) used at this location (only relevant for fixed housings).   |
| 2WayPA                                 | Integer      | NULL        |   |
| 2WaySite                               | Text(10)     | NULL        |   |
| 2WayLocation                           | Text(100)    | NULL        |   |

| Column(s) of "tblCameraSite" Table |              |             |   |
|------------------------------------|--------------|-------------|---|
| Name                               | Datatype     | Null Option | Comment   |
| PAID                               | Integer      | NOT NULL    | Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership]       |
| SiteID                             | Text(10)     | NOT NULL    | Partnership unique site identifier.   |
| SiteName                           | Text(255)    | NULL        | Name describing the location of this site. This should follow a naming convention issued by the programme office.       |
| RoadCovered                        | Single       | NULL        | Site length quoted in the operational case (km). Only collisions within this length should be reported on the database. |
| Easting_Start                      | Long Integer | NULL        | Easting grid reference of the start of this site.<br>Initially, this will be taken from the existing Easting value.     |



| Column(s) of "tblCameraSite" Table |              |             |   |
|------------------------------------|--------------|-------------|---|
| Name                               | Datatype     | Null Option | Comment   |
| Northing_Start                     | Long Integer | NULL        | Northing grid reference of the start of this site.<br>Initially, this will be taken from the existing Northing value. |
| Easting_End                        | Long Integer | NULL        | Easting grid reference of the end of this site.<br>Initially, this will be set to 0.                                  |
| Northing_End                       | Long Integer | NULL        | Northing grid reference of the end of this site.<br>Initially, this will be set to 0.                                 |
| DateApproved                       | Date/Time    | NULL        | Date from which this site was approved to operate under cost recovery.  |
| OpCasePeriodStart                  | Date/Time    | NULL        | First day in the period used to supply collision data for the operational case.                                       |
| OpCasePeriodEnd                    | Date/Time    | NULL        | Last day in the period used to supply collision data for the operational case.  |
| OpCaseSiteType                     | Text(10)     | NULL        | Type of site that was approved in the operational case.   |
| OpCaseSiteClass                    | Memo         | NULL        | Classification of the site:<br>Potential<br>Approved<br>Exception<br>Redundant  |
| BaselinePeriodStart                | Date/Time    | NULL        | First day of the baseline period for this site. Default, this is assumed to be identical to the OpCasePeriodStart.    |
| BaselinePeriodEnd                  | Date/Time    | NULL        | Last day of the baseline period for this site. Default, this is assumed to be identical to the OpCasePeriodEnd.       |
| ApprovalHazard1                    | Yes/No       | NULL        | Did Approval Hazard 1 apply when this site was installed?   |
| ApprovalHazard2                    | Yes/No       | NULL        | Did Approval Hazard 2 apply when this site was installed?   |
| ApprovalHazard3                    | Yes/No       | NULL        | Did Approval Hazard 3 apply when this site was installed?   |
| ApprovalHazard4                    | Yes/No       | NULL        | Did Approval Hazard 4 apply when this site was installed?   |
| ApprovalHazard5                    | Yes/No       | NULL        | Did Approval Hazard 5 apply when this site was installed?   |
| ApprovalHazard6                    | Yes/No       | NULL        | Did Approval Hazard 6 apply when this site was installed?   |
| ApprovalHazard7                    | Yes/No       | NULL        | Did Approval Hazard 7 apply when this site was installed?   |
| Comment                            | Memo         | NULL        | Comments (optional)   |
| OnTrunkRoad                        | Yes/No       | NULL        | Is this site located on a trunk road?   |
| LocalAuthority                     | Text(100)    | NULL        |   |

| Column(s) of "tblCameraSite" Table |          |             |   |
|------------------------------------|----------|-------------|---|
| Name                               | Datatype | Null Option | Comment   |
| OverlappingSitePA                  | Integer  | NULL        | Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership] |
| OverlappingSiteID                  | Text(10) | NULL        | Partnership unique site identifier.   |

| Column(s) of "tblCasualtyHistory" Table |           |             |   |
|---|-----------|-------------|---|
| Name                                    | Datatype  | Null Option | Comment   |
| PAID                                    | Integer   | NOT NULL    | Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership] |
| SiteID                                  | Text(10)  | NOT NULL    | Partnership unique site identifier.   |
| PeriodStartDate                         | Date/Time | NOT NULL    | First day of the period for which this data applies.  |
| PeriodEndDate                           | Date/Time | NOT NULL    | Last day of the period for which this data applies.   |
| NumFatalCas_All                         | Integer   | NULL        | # Fatal casualties at this site in this period  |
| NumKSI_All                              | Integer   | NULL        | Number of people killed or seriously injured in this period   |
| NumKSI_Pedestrian                       | Integer   | NULL        | Number of pedestrians killed or seriously injured in this period  |
| NumKSI_Child                            | Integer   | NULL        | Number of children killed or seriously injured in this period   |
| NumKSIcol_All                           | Integer   | NULL        | # Collisions leading to fatal or serious injuries at this site in this period                                     |
| NumPIcol_All                            | Integer   | NULL        | Number of Personal Injury Collisions in this period.  |
| NumPIcol_Pedestrian                     | Integer   | NULL        | Number of collisions causing personal injury to pedestrians in this period.                                       |
| NumPIcol_Child                          | Integer   | NULL        | Number of collisions causing personal injury to children in this period.  |
| Comment                                 | Memo      | NULL        | Any comment (optional)  |
| NumPICas_Child                          | Integer   | NULL        | Number of children injured in this period   |
| NumPICas_Pedestrian                     | Integer   | NULL        | Number of pedestrians injured in this period  |
| NumPICas_All                            | Integer   | NULL        | Number of people injured in this period   |

| Column(s) of "tblDate" Table |           |             |   |
|------------------------------|-----------|-------------|---|
| Name                         | Datatype  | Null Option | Comment   |
| Date                         | Date/Time | NOT NULL    | Date of first and last day in a month (e.g. 2005-01-01 or 2005- |

| Column(s) of "tblDate" Table |          |             |  |
|------------------------------|----------|-------------|--|
| Name                         | Datatype | Null Option | Comment  |
|                              |          |             | 01-31).  |
| ShortName                    | Text(15) | NOT NULL    | Short Name for this month (e.g. Jan 2005)  |
| MonthStart                   | Yes/No   | NOT NULL    | Yes: Start of Month<br>No: End of Month<br>Used to show only the relevant dates in the UI. |

| Column(s) of "tblEnforcementHistory" Table |              |             |   |
|--|--------------|-------------|---|
| Name                                       | Datatype     | Null Option | Comment   |
| PAID                                       | Integer      | NOT NULL    | Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership]   |
| SiteID                                     | Text(10)     | NOT NULL    | Partnership unique site identifier.   |
| LocationID                                 | Text(100)    | NOT NULL    | Unique Identifier for this Camera Location.<br><br>One location is required for each fixed housing.<br>Additionally, a minimum of one location is required if there is mobile enforcement at the site.<br>If the site spans multiple speed limits and there is mobile enforcement, then a minimum of one location is required per speed limit zone. |
| Year                                       | Integer      | NOT NULL    |   |
| Month                                      | Integer      | NOT NULL    |   |
| NumHours                                   | Single       | NULL        | Number of hours that this site has been enforced (live camera present) in this period.<br>For fixed sites this is calculated using 24hour days.   |
| NumActivations                             | Long Integer | NULL        | Number of activations registered at this location in this period.   |
| Comment                                    | Memo         | NULL        | Any comment (optional)  |

| Column(s) of "tblEvent" Table |          |             |  |
|-------------------------------|----------|-------------|--|
| Name                          | Datatype | Null Option | Comment  |
| Event                         | Text(25) | NOT NULL    | Specific events in the life of a camera site:<br>Established<br>Approved |

| Column(s) of "tblEvent" Table |          |             |   |
|-------------------------------|----------|-------------|---|
| Name                          | Datatype | Null Option | Comment   |
|                               |          |             | PaintedYellow<br>Suspended<br>Reactivated<br>Decommissioned<br>SpeedLimit<br>EnforcementThreshold<br>Subsumed |
| Description                   | Text(50) | NULL        |   |

| Column(s) of "tblExceptionEnforcement" Table |          |             |   |
|--|----------|-------------|---|
| Name   | Datatype | Null Option | Comment   |
| PAID   | Integer  | NOT NULL    | Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership] |
| Year   | Integer  | NOT NULL    |   |
| Month  | Integer  | NOT NULL    |   |
| NumFixedHours                                | Single   | NOT NULL    | Total number of camera-hours of fixed exception enforcement in this period  |
| NumMobileHours                               | Single   | NOT NULL    | Total number of camera-hours of mobile exception enforcement in this period.                                      |
| Comment                                      | Memo     | NULL        |   |

| Column(s) of "tblLocalAuthority" Table |           |             |   |
|--|-----------|-------------|---|
| Name                                   | Datatype  | Null Option | Comment   |
| LocalAuthority                         | Text(100) | NOT NULL    |   |
| PAID                                   | Integer   | NULL        | Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership] |
| LAJoiningDate                          | Date/Time | NULL        |   |
| PoliceForceID                          | Integer   | NOT NULL    |   |

| Column(s) of "tblLocationHistory" Table |  |  |  |
|---|--|--|--|
|---|--|--|--|

| Name                 | Datatype  | Null Option | Comment   |
|----------------------|-----------|-------------|---|
| PAID                 | Integer   | NOT NULL    | Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership]   |
| SiteID               | Text(10)  | NOT NULL    | Partnership unique site identifier.   |
| LocationID           | Text(100) | NOT NULL    | Unique Identifier for this Camera Location.<br><br>One location is required for each fixed housing.<br>Additionally, a minimum of one location is required if there is mobile enforcement at the site.<br>If the site spans multiple speed limits and there is mobile enforcement, then a minimum of one location is required per speed limit zone. |
| Date                 | Date/Time | NOT NULL    |   |
| Event                | Text(20)  | NOT NULL    | Specific events in the life of a camera site:<br>Established<br>Approved<br>PaintedYellow<br>Suspended<br>Reactivated<br>Decommissioned<br>SpeedLimit<br>EnforcementThreshold<br>Subsumed   |
| SpeedLimit           | Text(10)  | NULL        | Speed limit at this location from this date.  |
| EnforcementThreshold | Integer   | NULL        | Speed limit enforcement threshold (mph) at this location from this date.  |
| Comment              | Memo      | NULL        |   |

| Column(s) of "tblMechanism" Table |          |             |   |
|-----------------------------------|----------|-------------|---|
| Name                              | Datatype | Null Option | Comment   |
| Mechanism                         | Text(25) | NOT NULL    | Technical application of this equipment:<br>Fixed<br>Mobile<br>Speed-Distance |

| Column(s) of "tblMechanism" Table |          |             |                              |
|-----------------------------------|----------|-------------|------------------------------|
| Name                              | Datatype | Null Option | Comment                      |
|                                   |          |             | Red-light<br>RL-SpeedOnGreen |

| Column(s) of "tblMonth" Table |          |             |         |
|-------------------------------|----------|-------------|---------|
| Name                          | Datatype | Null Option | Comment |
| Month                         | Integer  | NOT NULL    |         |
| Name                          | Text(15) | NULL        |         |

| Column(s) of "tblPACameraInventory" Table |          |             |  |
|---|----------|-------------|--|
| Name                                      | Datatype | Null Option | Comment  |
| PAID                                      | Integer  | NOT NULL    | Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership]              |
| Year                                      | Integer  | NOT NULL    |  |
| Month                                     | Integer  | NOT NULL    |  |
| Equipment                                 | Text(50) | NOT NULL    | Camera Equipment (supplier and model)  |
| NumUnits                                  | Integer  | NULL        | Number of units of this type of equipment in operation in the Partnership Area. As a minimum, this should be updated annually. |

| Column(s) of "tblPAOArea" Table |          |             |         |
|---------------------------------|----------|-------------|---------|
| Name                            | Datatype | Null Option | Comment |
| PAOArea                         | Text(50) | NULL        |         |

| Column(s) of "tblPartnershipArea" Table |          |             |   |
|---|----------|-------------|---|
| Name                                    | Datatype | Null Option | Comment   |
| PAID                                    | Integer  | NOT NULL    | Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership] |
| PAName                                  | Text(30) | NOT NULL    | Partnership Area (PA) Name  |

| Column(s) of "tblPartnershipArea" Table |           |             |   |
|---|-----------|-------------|---|
| Name                                    | Datatype  | Null Option | Comment   |
| PAJoiningDate                           | Date/Time | NULL        | The date when this partnership joined Cost Recovery. For partnerships where different local authorities have joined at different times, this shows the original date. |
| Region                                  | Text(25)  | NULL        | Region that this partnership is part of   |
| Website                                 | Text(255) | NULL        | Principal website used by the partnership   |
| PAAddressPostCode                       | Text(10)  | NULL        |   |
| PAOArea                                 | Text(50)  | NULL        |   |
| PAAddressCounty                         | Text(50)  | NULL        |   |
| PAAddressTown                           | Text(50)  | NULL        |   |
| PAAddressLine3                          | Text(250) | NULL        |   |
| PAAddressLine2                          | Text(250) | NULL        |   |
| PAAddressLine1                          | Text(250) | NULL        |   |

| Column(s) of "tblPartnershipContactDetails" Table |           |             |   |
|---|-----------|-------------|---|
| Name  | Datatype  | Null Option | Comment   |
| PAID  | Integer   | NOT NULL    | Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership] |
| Name  | Text(100) | NOT NULL    | Name of individual filling this role for this PA  |
| E-Mail  | Memo      | NULL        |   |
| Telephone   | Text(30)  | NULL        | Business telephone number of this individual.   |
| Mobile  | Text(30)  | NULL        | Business mobile telephone number of this individual   |
| ContAddLine3                                      | Text(250) | NULL        |   |
| ContAddTown                                       | Text(50)  | NULL        |   |
| ContAddCounty                                     | Text(50)  | NULL        |   |
| ContAddLine2                                      | Text(250) | NULL        |   |
| ContAddPostCode                                   | Text(10)  | NULL        |   |
| ContAddLine1                                      | Text(250) | NULL        |   |

| Column(s) of "tbIPASurvey" Table |              |             |   |
|----------------------------------|--------------|-------------|---|
| Name                             | Datatype     | Null Option | Comment   |
| PAID                             | Integer      | NOT NULL    | Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership] |
| Year                             | Integer      | NOT NULL    |   |
| Month                            | Integer      | NOT NULL    |   |
| Method                           | Text(50)     | NULL        | Survey Method:<br>Phone Interview<br>Face-to-face Interview<br>Other...   |
| QEasyMoney                       | Double       | NULL        | Percentage agreeing question "Cameras are an easy way of making money out of motorists"                           |
| QEncourageLimits                 | Double       | NULL        | Percentage agreeing question "Cameras are meant to encourage drivers to keep to the limits, not punish them"      |
| QFewerAccidents                  | Double       | NULL        | Percentage agreeing question "Fewer accidents are likely to happen on roads where cameras are installed"          |
| QGetCaught                       | Double       | NULL        | Percentage agreeing question "Cameras mean that dangerous drivers are now more likely to get caught"              |
| QReduceCasualties                | Double       | NULL        | Percentage agreeing question "The use of safety cameras should be supported as a method of reducing casualties"   |
| QSaveLives                       | Double       | NULL        | Percentage agreeing question "The primary aim of safety cameras is to save lives"                                 |
| QTooManyCameras                  | Double       | NULL        | Percentage agreeing question "There are too many safety cameras in our local area"                                |
| RespondentGroup                  | Text(50)     | NULL        | Whom was the survey targeted at:<br>General Public<br>Drivers<br>Other...   |
| SampleSize                       | Long Integer | NULL        |   |
| NumRespondents                   | Long Integer | NULL        | Number of respondents that the percentages are based on.  |
| Comment                          | Memo         | NULL        |   |

| Column(s) of "tbIPASystemInfo" Table |          |             |   |
|--------------------------------------|----------|-------------|---|
| Name                                 | Datatype | Null Option | Comment   |
| PAID                                 | Integer  | NOT NULL    | Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership] |



| Column(s) of "tblPASystemInfo" Table |          |             |         |
|--------------------------------------|----------|-------------|---------|
| Name                                 | Datatype | Null Option | Comment |
| SystemParameter                      | Text(30) | NOT NULL    |         |
| Value                                | Text(30) | NULL        |         |

| Column(s) of "tblRegion" Table |          |             |                                  |
|--------------------------------|----------|-------------|----------------------------------|
| Name                           | Datatype | Null Option | Comment                          |
| Region                         | Text(25) | NOT NULL    | Safety Camera Partnership Region |

| Column(s) of "tblRole" Table |          |             |         |
|------------------------------|----------|-------------|---------|
| Name                         | Datatype | Null Option | Comment |
| Role                         | Text(30) | NOT NULL    |         |

| Column(s) of "tblSiteClass" Table |          |             |  |
|-----------------------------------|----------|-------------|--|
| Name                              | Datatype | Null Option | Comment  |
| SiteClass                         | Text(50) | NOT NULL    | Classification of the site:<br>Potential<br>Approved<br>Exception<br>Redundant |

| Column(s) of "tblSiteType" Table |          |             |   |
|----------------------------------|----------|-------------|---|
| Name                             | Datatype | Null Option | Comment   |
| SiteType                         | Text(10) | NOT NULL    | Type of site:<br><br>Fixed<br>Mobile<br>Red-light |

| Column(s) of "tblSiteType" Table |          |             |                     |
|----------------------------------|----------|-------------|---------------------|
| Name                             | Datatype | Null Option | Comment             |
|                                  |          |             | Time-Distance Route |

| Column(s) of "tblSpeedSurvey" Table |              |             |   |
|-------------------------------------|--------------|-------------|---|
| Name                                | Datatype     | Null Option | Comment   |
| PAID                                | Integer      | NOT NULL    | Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership]   |
| SiteID                              | Text(10)     | NOT NULL    | Partnership unique site identifier.   |
| LocationID                          | Text(100)    | NOT NULL    | Unique Identifier for this Camera Location.<br><br>One location is required for each fixed housing.<br>Additionally, a minimum of one location is required if there is mobile enforcement at the site.<br>If the site spans multiple speed limits and there is mobile enforcement, then a minimum of one location is required per speed limit zone. |
| Year                                | Integer      | NOT NULL    |   |
| Month                               | Integer      | NOT NULL    |   |
| AverageSpeedMPH                     | Single       | NULL        | Average Speed (mph)   |
| Percentile85SpeedMPH                | Single       | NULL        | 85th percentile speed (mph)   |
| PercentAboveSpeedLimit              | Single       | NULL        | Percent of drivers above speed limit  |
| Percent15MPHAboveSpeedLimit         | Single       | NULL        | Percent of drivers more than 15 mph above speed limit   |
| TrafficFlow                         | Long Integer | NULL        | Average Daily Traffic Flow at this Site (measured over the survey period).  |
| Comment                             | Memo         | NULL        | Any Comments (optional)   |
| Northing                            | Long Integer | NULL        |   |
| Easting                             | Long Integer | NULL        |   |
| FlowDirection                       | Text(5)      | NULL        | Direction of the trafficflow provided:<br>1-way<br>2-way  |
| SpeedLimit                          | Integer      | NULL        |   |

| Column(s) of "tblSurveyQuestion" Table |           |             |  |
|--|-----------|-------------|--|
| Name                                   | Datatype  | Null Option | Comment  |
| QuestionID                             | Text(20)  | NULL        | Question Code (= field name in questionnaire data table) |
| QuestionText                           | Text(100) | NULL        | The actual question                                      |
| QuestionComment                        | Text(100) | NULL        | Any comment  |

| Column(s) of "tblYear" Table |          |             |         |
|------------------------------|----------|-------------|---------|
| Name                         | Datatype | Null Option | Comment |
| Year                         | Integer  | NOT NULL    |         |

| Column(s) of "tsysCameraSite_v2ref" Table |           |             |   |
|---|-----------|-------------|---|
| Name                                      | Datatype  | Null Option | Comment   |
| PAID                                      | Integer   | NOT NULL    | Unique identification number for each Partnership Area. [Police Force Code for first Police Force in Partnership] |
| SiteID                                    | Text(10)  | NOT NULL    | Partnership unique site identifier.   |
| v2SiteIdentifier                          | Text(255) | NULL        | Unique identifier (CameraName) used for this site in v2 of the monitoring tool.                                   |

| Column(s) of "tSysLogBackEnd" Table |           |             |  |
|-------------------------------------|-----------|-------------|--|
| Name                                | Datatype  | Null Option | Comment  |
| BackEndVersion                      | Double    | NOT NULL    | Version (where a higher number indicates a more recent version than a lower number). |
| BackEndMessage                      | Memo      | NOT NULL    | Short description of changes/improvements introduced in this version.                |
| ReleaseDate                         | Date/Time | NOT NULL    | Release date for the given version.  |