



# Transport for London

## Record of Periodic Inspection

### Site Details

Site Number 28/000027/U Site Type Junction Address B451 HARVIST ROAD - CHAMBERLAYNE ROAD - B451 MORTIMER ROAD

### Periodic Inspection

<u>Maintenance Date</u> (Periodic Inspection Date)	23-Jun-2017 11:05	<u>Engineer Name</u>	WLODRASKAM
<u>Inspection Type</u>	Full	<u>Inspection Status</u>	COMPLETE
<u>Controller Details</u>	Telent Optima-J ELV UTC Semi VA Controller	<u>Monitoring Details</u>	UTC

### Questionnaire

#### Visual Inspection

- |    |   |  |
|----|---|--|
| 1  | Are all aspects working and clearly visible?  | Yes  |
| 2  | Are all aspects correctly aligned?  | Yes  |
| 3  | Are the Cut-away hoods in good condition and aligned correctly?   | n/a  |
| 4  | Are the Tunnel hoods in good condition and aligned correctly?   | n/a  |
| 5  | Are the Louvred hoods in good condition and aligned correctly?  | n/a  |
| 6  | Is the site free from see through problems?   | Yes  |
| 7  | Are all Reg Signs (including Secret Signs) Present, secure and working correctly?   | Yes  |
| 8  | Are Blind Spot Safety Mirrors fitted, aligned correctly and in good condition?  | n/a  |
| 9  | Is the site free from foliage obstructing traffic signal visibility and/or detector operation?                                  | <b>No - 1The tree that is in the ground of the Ark Franklin School needs to be cut back from P6,7.</b> |
| 10 | Are Audio/Tactiles fitted and working correctly?  | Yes  |
| 11 | Are all PBU's present and secure?   | Yes  |
| 12 | Is all Traffic Control Equipment Clean?   | Yes  |
| 13 | Are all post caps present and secure?   | Yes  |
| 14 | Is the site free from non contractual equipment (if no identify type in comments)?  | Yes  |
| 15 | Is the non contractual equipment fitted in safe condition?  | Yes  |
| 16 | Is the site free from graffiti?   | <b>No - I have removed 9 cable ties + 6 stickers from site.</b>  |
| 17 | Is the site free from any cosmetic damage?  | Yes  |
| 18 | Is the controller, PJL and ESP wiring tagged?   | <b>No - I have replaced the earth label in the ESP.</b>  |
| 19 | Are the controller, PJL and ESP sealed and free from corrosion (including ducts and door seals) and equipment seated correctly? | Yes  |
| 20 | Is the controller, PJL and ESP free from vermin infestation?  | Yes  |
| 21 | Ensure the controller, PJL and ESP are clean and free from debris.  | <b>No - I have cleaned the cont + ESP.</b>   |
| 22 | Ensure all locks, including bolts are present and working correctly.  | <b>No - I have secured the cont + ESP+PJL by locking the T key bolts.</b>                              |



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(Periodic Inspection Date) 23-Jun-2017 11:05 Engineer Name WLODRASKAM  
Inspection Type Full Inspection Status COMPLETE  
Controller Details Telent Optima-J ELV UTC Semi VA Controller Monitoring Details UTC

### Questionnaire

#### Visual Inspection

- |    |  |  |
|----|--|--|
| 23 | Is all Above Ground Detection aligned correctly and secured?             | Yes  |
| 24 | Is Video Detection fitted, clean and secure?                             | n/a  |
| 25 | Are all covers, pit lids and access panels free from defects and secure? | Yes  |
| 26 | Is the site equipment free from any Health and Safety risk?              | Yes  |
| 27 | Confirm the operation of PE Cell (site dimming)?                         | Yes  |
| 28 | Are all road markings clearly visible?                                   | No - New stop lines + ped studs + yellow box +cycle boxes req on Chamerlayne Road. |

#### Site Documentation

- |     |   |   |
|-----|---|---|
| 1   | Is log book present (provide a new one if log book is not present or current one is nearly full)    | Yes   |
| 2   | Is the documentation wallet present (provide a new one if the current one is defective or missing)? | Yes   |
| 3   | Is Timing Sheet present on site correct to SFM records?   | Yes   |
| 3.1 | Issue No  | 17  |
| 4   | Is current SLD present?   | Yes   |
| 4.1 | Issue No  | 18  |
| 5   | Is the site layout in accordance with the SLD?  | No - The SLD does not show the Pcats on P1,2,3,4,5,6,7,8. |
| 6   | Are all road markings as shown on SLD?  | Yes   |
| 7   | Is TfL Spec present (applies only to junctions)?  | Yes   |
| 7.1 | Issue number of TfL Specification   | 7   |
| 8   | Is the Manufacturer's Controller Spec present?  | Yes   |
| 8.1 | Configuration number of Spec  | 28-27   |
| 8.2 | Issue number  | 2   |
| 9   | Is a RAM sheet present (provide one if none present)?   | Yes   |
| 10  | Is the Loop Identification card present and correct?  | Yes   |
| 11  | Is the Magnetometer Identification card present and correct?  | n/a   |
| 12  | Remove old issue paperwork and tidy remainder into document wallet.                                 | No - I have removed the old paperwork.                    |



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<u>Inspection Type</u>	Full	<u>Inspection Status</u>	COMPLETE
<u>Controller Details</u>	Telent Optima-J ELV UTC Semi VA Controller	<u>Monitoring Details</u>	UTC

### Questionnaire

#### Handset/Controller Checks

- |      |  |       |
|------|--|-------|
| 1    | Check all detection / inputs insert the correct demands?   | Yes   |
| 2    | Is all detection set to normal operation?  | Yes   |
| 3    | Is the input sense correct for each detector (e.g. Inverted for on crossing detection)?  | Yes   |
| 4    | Ensure Scoot detection is setup and working correctly.   | Yes   |
| 5    | Ensure the Speed Measurement Detection is working correctly.   | n/a   |
| 6    | Is the timetable for Audibles as per the specification/Ram Sheet?  | Yes   |
| 7    | Ensure all RAM data is correct to the latest specification / RAM sheet.  | Yes   |
| 8    | Ensure all timings are as per the latest timing sheet.   | Yes   |
| 9    | Ensure all timetable entries are as per the latest timing sheet.   | Yes   |
| 10   | Ensure Controller clock settings and date are correct.   | Yes   |
| 11   | Ensure controller mode of operation is correct.  | Yes   |
| 11.1 | Mode of operation  | utc   |
| 12   | Does the manufacturers spec. match the configuration running in the controller?  | Yes   |
| 12.1 | Note the configuration running   | 28-27 |
| 13   | Are the controller fault log/s clear?  | Yes   |
| 14   | For standalone pedestrian crossings (only) confirm the operation and correct wiring of the controller Red Lamp Monitoring.         | n/a   |
| 15   | Is the ancillary equipment operating correctly (e.g. OMU, IMU)?  | Yes   |
| 16   | Are all changeable batteries less than 5.5 years old (i.e. if they are more than 5.5 years old they require replacement)?          | Yes   |
| 17   | Ensure all replaceable batteries are labelled with an install date. (Use the site controller installed date if labels not present) | Yes   |



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### Questionnaire

#### Electrical Checks

1	Take the meter reading (for sites fitted with electricity meters)	n/a
2	Check all wiring within feeder pillar particularly for conductor condition, integrity of insulation and security of all anchorages, barriers, termination/connections and components	Yes
3	Check all earth connections within the controller, ESP and PJL (where fitted) are present and tightly secured	Yes
4	Check all warning labels/circuit identification labels are not missing, damaged, or illegible	Yes
5	Confirm the Earth Fault Loop Impedance at the maintenance socket within tolerance ( $\leq 1.47$ Ohms)	Yes
5.1	Impedance (Ohms)	0.29
6	Confirm the Operation of the maintenance socket RCD - a) 0.5 x no trip	Pass
7	Confirm the Operation of the maintenance socket RCD - b) 1 x ( $\leq 200$ ms)	Pass
7.1	Positive Cycle	18.4
7.2	Negative Cycle	18.0
8	Confirm the Operation of the maintenance socket RCD - c) 5 x ( $\leq 40$ ms)	Pass
8.1	Positive Cycle	8.4
8.2	Negative Cycle	8.0
9	Confirm the Operation of the maintenance socket RCD - d) RCD trips by pushing the button	Pass
10	Confirm the Earth Fault Loop Impedance at all LV push button front covers is within tolerance. (detail any failures) - (action on failure) &#8594; Pole number / Reading / Fault Button	n/a



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### Questionnaire

#### Asset Check

1	Rate the condition of the controller and associated equipment (1-Very Bad, 2-Poor, 3-Acceptable, 4-Good, 5-Excellent)	<b>Yes</b>
1.1	Rate	<b>5</b>
2	Rate the condition of the lanterns and optical equipment (1-Very Bad, 2-Poor, 3-Acceptable, 4-Good, 5-Excellent)	<b>Yes</b>
2.1	Rate	<b>5</b>
3	Rate the condition of the poles and infrastructure equipment (1-Very Bad, 2-Poor, 3-Acceptable, 4-Good, 5-Excellent)	<b>Yes</b>
3.1	Rate	<b>5</b>
4	Rate the condition of the detection (1-Very Bad, 2-Poor, 3-Acceptable, 4-Good, 5-Excellent)	<b>Yes</b>
4.1	Rate	<b>5</b>
5	Rate the condition of the Ancillary Equipment (e.g. RM/UTC) (1-Very Bad, 2-Poor, 3-Acceptable, 4-Good, 5-Excellent)	<b>Yes</b>
5.1	Rate	<b>5</b>
6	Are all assets in accordance with the following list? (NB, assets found onsite that are in addition to the equipment list must be added by selecting the 'No' option.)	<b>Yes</b>

### Comments

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### Site Equipment List

#### Location Details

#### Controller

##### Controller 1

JH0301 - Pudsey Diamond Supply Pillar, Type A  
JL0000 - BT Termination Post (large). PJL  
648142 - Telent Optima-J ELV UTC Semi VA Controller  
OMU181 - Siemens Gemini 2 OMU (Bus Processor) iBus  
XTU909 - IPOTU Gemini2 (Parallel) and router  
VL4501 - M'sense MXED4-24R(4 Channel) Cont Mountd  
VL1A00 - Telent MXED11424R detector card

#### Remote

##### Remote 1

AVI000 - Virtual Bus Detector (iBus)  
AVI000 - Virtual Bus Detector (iBus)

#### Unallocated

#### In-Road SD

##### In-Road SD 1

VLLSCO - In-Road Detector SCOOT Loop  
VLLSCO - In-Road Detector SCOOT Loop  
VLLSCO - In-Road Detector SCOOT Loop  
VLLSCU - In-Road Detector Uni-Directional SCOOT Loop  
VLLSCU - In-Road Detector Uni-Directional SCOOT Loop

#### Pole

##### Pole 1

PCU001 - Black Coated Pole (4.0m) Unsp  
LL34V1 - 3 Aspect Lantern (LED) Telent ELV  
LL34V1 - 3 Aspect Lantern (LED) Telent ELV  
LL24V1 - 2 Aspect Lantern (LED) Telent ELV  
HA1L01 - Audible unit within Push Button (Askari)  
HM1001 - Push Button Unit  
HT1K01 - Tactile Rotating Cone within Push Button (Radix)  
BH34V4 - Box Sign (NLT) Swarco ELV  
WPLA00 - LED Wait Indicator (Pedestrian Legend - 2 Man) AGD924 ELV  
WZ1003 - 1 Aspect - Pedestrian Countdown Signal - PCaTS Unit (Aldridge)  
VI15A0 - Microsense AIM-S Infra Red Detector  
VR1E80 - Radar Detector AGD 206 MVD  
ZPS400 - Demountable Pole Socket - NAL  
BS0401 - Secret Sign ELV NRT Telent  
BS0401 - Secret Sign ELV NRT Telent

##### Pole 2

PCU001 - Black Coated Pole (4.0m) Unsp  
LL24V1 - 2 Aspect Lantern (LED) Telent ELV  
HA1L01 - Audible unit within Push Button (Askari)  
HM1001 - Push Button Unit  
HT1K01 - Tactile Rotating Cone within Push Button (Radix)  
WPLA00 - LED Wait Indicator (Pedestrian Legend - 2 Man) AGD924 ELV  
WZ1003 - 1 Aspect - Pedestrian Countdown Signal - PCaTS Unit (Aldridge)  
ZPS400 - Demountable Pole Socket - NAL

##### Pole 3

PCU001 - Black Coated Pole (4.0m) Unsp  
LL34V1 - 3 Aspect Lantern (LED) Telent ELV



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### Site Equipment List

#### Location Details

LL34V1 - 3 Aspect Lantern (LED) Telent ELV  
LL24V1 - 2 Aspect Lantern (LED) Telent ELV  
HA1L01 - Audible unit within Push Button (Askari)  
HM1001 - Push Button Unit  
HT1K01 - Tactile Rotating Cone within Push Button (Radix)  
WPLA00 - LED Wait Indicator (Pedestrian Legend - 2 Man) AGD924 ELV  
WZ1003 - 1 Aspect - Pedestrian Countdown Signal - PCaTS Unit (Aldridge)  
ZPS400 - Demountable Pole Socket - NAL  
BS0401 - Secret Sign ELV NRT Telent  
BS0401 - Secret Sign ELV NRT Telent

#### Pole 4

PCU001 - Black Coated Pole (4.0m) Unsp  
LL34V1 - 3 Aspect Lantern (LED) Telent ELV  
LL34V1 - 3 Aspect Lantern (LED) Telent ELV  
LL24V1 - 2 Aspect Lantern (LED) Telent ELV  
HA1L01 - Audible unit within Push Button (Askari)  
HM1001 - Push Button Unit  
HT1K01 - Tactile Rotating Cone within Push Button (Radix)  
BH34V4 - Box Sign (NLT) Swarco ELV  
WPLA00 - LED Wait Indicator (Pedestrian Legend - 2 Man) AGD924 ELV  
WZ1003 - 1 Aspect - Pedestrian Countdown Signal - PCaTS Unit (Aldridge)  
VI15A0 - Microsense AIM-S Infra Red Detector  
VR1E80 - Radar Detector AGD 206 MVD  
ZPS400 - Demountable Pole Socket - NAL  
BS0401 - Secret Sign ELV NRT Telent  
BS0401 - Secret Sign ELV NRT Telent

#### Pole 5

PCU001 - Black Coated Pole (4.0m) Unsp  
LL24V1 - 2 Aspect Lantern (LED) Telent ELV  
HA1L01 - Audible unit within Push Button (Askari)  
HM1001 - Push Button Unit  
HT1K01 - Tactile Rotating Cone within Push Button (Radix)  
WPLA00 - LED Wait Indicator (Pedestrian Legend - 2 Man) AGD924 ELV  
WZ1003 - 1 Aspect - Pedestrian Countdown Signal - PCaTS Unit (Aldridge)  
ZPS400 - Demountable Pole Socket - NAL

#### Pole 6

PCU001 - Black Coated Pole (4.0m) Unsp  
LL34V1 - 3 Aspect Lantern (LED) Telent ELV  
LL34V1 - 3 Aspect Lantern (LED) Telent ELV  
LL24V1 - 2 Aspect Lantern (LED) Telent ELV  
HA1L01 - Audible unit within Push Button (Askari)  
HM1001 - Push Button Unit  
HT1K01 - Tactile Rotating Cone within Push Button (Radix)  
WPLA00 - LED Wait Indicator (Pedestrian Legend - 2 Man) AGD924 ELV  
WZ1003 - 1 Aspect - Pedestrian Countdown Signal - PCaTS Unit (Aldridge)  
ZPS400 - Demountable Pole Socket - NAL  
BS0401 - Secret Sign ELV NRT Telent  
BS0401 - Secret Sign ELV NRT Telent

#### Pole 7

PCU001 - Black Coated Pole (4.0m) Unsp



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<u>Controller Details</u>	Telent Optima-J ELV UTC Semi VA Controller	<u>Monitoring Details</u>	UTC

### Site Equipment List

#### Location Details

LL24V1 - 2 Aspect Lantern (LED) Telent ELV  
HA1L01 - Audible unit within Push Button (Askari)  
HM1001 - Push Button Unit  
HT1K01 - Tactile Rotating Cone within Push Button (Radix)  
WPLA00 - LED Wait Indicator (Pedestrian Legend - 2 Man) AGD924 ELV  
WZ1003 - 1 Aspect - Pedestrian Countdown Signal - PCaTS Unit (Aldridge)  
RLK100 - iBUS Signal Mounted Radio  
ZPS400 - Demountable Pole Socket - NAL  
PEC001 - PE CELL - ELV Controller

#### Pole 8

PCU001 - Black Coated Pole (4.0m) Unsp  
LL24V1 - 2 Aspect Lantern (LED) Telent ELV  
HA1L01 - Audible unit within Push Button (Askari)  
HM1001 - Push Button Unit  
HT1K01 - Tactile Rotating Cone within Push Button (Radix)  
WPLA00 - LED Wait Indicator (Pedestrian Legend - 2 Man) AGD924 ELV  
WZ1003 - 1 Aspect - Pedestrian Countdown Signal - PCaTS Unit (Aldridge)  
ZPS400 - Demountable Pole Socket - NAL