



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)	05-Jun-2019 11:20	<u>Engineer Name</u>	MILLERD
<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? | Yes |
| 10 | Are Audio/Tactiles fitted and working correctly? | No - tactile radix 48 out p3,8 f/up req |
| 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? | n/a |
| 16 | Is the site free from graffiti? | No - graffiti pbu6 esp f/up req - stickers cable ties p6,7,2,3,8,4 removed ok now |
| 17 | Is the site free from any cosmetic damage? | No - p6 g man hood telent loose f/up req - copex loose p7,1,8 f/up req |
| 18 | Is the controller, PjL and ESP wiring tagged? | No - cable tags missing pjL esp replaced ok now |
| 19 | Are the controller, PjL and ESP sealed and free from corrosion (including ducts and door seals) and equipment seated correctly? | No - base seal compromised by new cable pjL f/up req |
| 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. | No - cleaned pjL esp cont ok now |
| 22 | Ensure all locks, including bolts are present and working correctly. | Yes |
| 23 | Is all Above Ground Detection aligned correctly and secured? | Yes |



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Questionnaire

Visual Inspection

- | | | |
|----|--|-----|
| 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? | Yes |

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 | 19 |
| 4 | Is current SLD present? | Yes |
| 4.1 | Issue No | 21 |
| 5 | Is the site layout in accordance with the SLD? | Yes |
| 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 | 3 |
| 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 - tidied doc wallet ok now |



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Questionnaire

Handset/Controller Checks

- | | | |
|------|--|---|
| 1 | Check all detection / inputs insert the correct demands? | No - sd0,4,5,6 showing pd f/up req |
| 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. | No - as above |
| 5 | Ensure the Speed Measurement Detection is working correctly. | Yes |
| 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 3 |
| 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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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 | No - earth connections loose esp cont secured ok now |
| 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 (≤ 1.47 Ohms) | No - main socket rcd not resetting replaced unit and run electrical checks ok now |
| 5.1 | Impedance (Ohms) | 0.17 |
| 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 (≤ 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 (≤ 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) → 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) | Yes |
| 1.1 | Rate | 4 |
| 2 | Rate the condition of the lanterns and optical equipment (1-Very Bad, 2-Poor, 3-Acceptable, 4-Good, 5-Excellent) | Yes |
| 2.1 | Rate | 4 |
| 3 | Rate the condition of the poles and infrastructure equipment (1-Very Bad, 2-Poor, 3-Acceptable, 4-Good, 5-Excellent) | Yes |
| 3.1 | Rate | 4 |
| 4 | Rate the condition of the detection (1-Very Bad, 2-Poor, 3-Acceptable, 4-Good, 5-Excellent) | Yes |
| 4.1 | Rate | 4 |
| 5 | Rate the condition of the Ancillary Equipment (e.g. RM/UTC) (1-Very Bad, 2-Poor, 3-Acceptable, 4-Good, 5-Excellent) | Yes |
| 5.1 | Rate | 4 |
| 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.) | Yes |

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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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