



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, PJJ and ESP wiring tagged? | No - cable tags missing pjl esp replaced ok now |
| 19 | Are the controller, PJJ 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, PJJ and ESP free from vermin infestation? | Yes |
| 21 | Ensure the controller, PJJ 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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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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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 P/L (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