



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)	02-Jun-2016 10:15	<u>Engineer Name</u>	REEDD
<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?	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?	n/a
16	Is the site free from graffiti?	Yes
17	Is the site free from any cosmetic damage?	Yes
18	Is the controller, PJJ and ESP wiring tagged?	No - fitted yellow flag on bt link at pjl and cont
19	Are the controller, PJJ and ESP sealed and free from corrosion (including ducts and door seals) and equipment seated correctly?	Yes
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.	Yes
22	Ensure all locks, including bolts are present and working correctly.	Yes
23	Is all Above Ground Detection aligned correctly and secured?	Yes
24	Is Video Detection fitted, clean and secure?	n/a



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Questionnaire

Visual Inspection

- | | | |
|----|--|--|
| 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? | No - bollard beside p2 rld is trip hazard |
| 27 | Confirm the operation of PE Cell (site dimming)? | Yes |
| 28 | Are all road markings clearly visible? | No - road markings patched but mainly very faded |

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 | 15 |
| 4 | Is current SLD present? | Yes |
| 4.1 | Issue No | 18 |
| 5 | Is the site layout in accordance with the SLD? | No - pcats not shown on sld |
| 6 | Are all road markings as shown on SLD? | No - RLD |
| 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 | 28-027 |
| 8.2 | Issue number | 1 |
| 9 | Is a RAM sheet present (provide one if none present)? | Yes |
| 10 | Is the Loop Identification card present and correct? | No - left loop card, scoot loops do not appear to match up to det outputs, engineer to investigate - under snagging |
| 11 | Is the Magnetometer Identification card present and correct? | n/a |
| 12 | Remove old issue paperwork and tidy remainder into document wallet. | Yes |



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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. | No - reset date 03.06.16 for 02.06.16 |
| 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 | 28-027 |
| 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	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 (≤ 1.47 Ohms)	Yes
5.1	Impedance (Ohms)	0.22
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	15.2
7.2	Negative Cycle	14.0
8	Confirm the Operation of the maintenance socket RCD - c) 5 x (≤ 40 ms)	Pass
8.1	Positive Cycle	5.6
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	5
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	5
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	5
4	Rate the condition of the detection (1-Very Bad, 2-Poor, 3-Acceptable, 4-Good, 5-Excellent)	Yes
4.1	Rate	5
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	5
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