

SQA-8704 ATS LAT Checklist

Issue No: 1	Address: ROCHESTER WAY - WELLING WAY	Unique ID: 113733
Site Reference: 06/000042		Date: 30/03/2023
Contractor: Cubic	TfL Representative: [REDACTED]	Authorised Drawing: PRO/06/000042/03

Section A - Physical Aspects of Site

Section A1 - Site

Criteria No.	Inspection	Comments
1.00	Does the site geometry and do all road markings agree with the approved drawing?	Yes
1.01	Are all stoplines present?	Yes but require refresh
1.02	Are all crossing studs aligned with dropped kerbs?	No crossing studs
1.03	Do all signal heads show good clearance for all users?	Yes
1.04	Is the site free of foliage obstructing traffic signal visibility?	Yes
1.05	Are all covers, pit lids and access panels free from defects and secure?	Yes
1.06	Is all equipment clean?	Yes
1.07	Are all post caps present and secure?	Yes
1.08	Is the site free from graffiti?	Yes
1.09	Is the site free from any cosmetic damage?	Yes
1.10	Is the site free from any health and safety risk? (eg, trip hazards etc)	PJL not ideally positioned
1.11	Has the road's anti-skid co-efficient been confirmed as a suitable value?	No
1.12	Has all civils work been completed and all debris removed?	Yes
1.13	Have all redundant road markings been removed?	N/A
1.14	Are cycle mirrors fitted, aligned correctly and in good condition?	Yes
1.15	Are the push button units present and secure?	N/A
1.16	Is all above ground detection aligned correctly and secure?	Yes
1.17	Has all ducting been foam sealed and has wire wool been used on the final drawpit?	Yes

Section A2 - Controller

1.18	Ensure all the wiring in the controller is tagged as below:	
a	RED flag on incoming cable from ESP	Labelled "Supply"
b	YELLOW TRIANGLE flag on CPC from ESP	Labelled "Safety Electrical Connection"
c	RED flags on LV cables to poles	Labelled with pole number All individual cores should have numbered identification
d	YELLOW flags on ELV cables to poles	Labelled with pole number All individual cores should have numbered identification
e	YELLOW flag on incoming cable from PJL	Labelled "From PJL"
f	YELLOW flag on incoming cable from BT Pit	Labelled "From BT Pit"
g	YELLOW flags on link cables to other controllers	Labelled with SFM site number of linked site All individual cores should have numbered identification
h	YELLOW flags on all AP cables	Labelled with AP number
i	YELLOW flags on loop feeder cables	Labelled with loop ID
j	YELLOW flag on iBUS transceiver cable	Labelled "iBUS"
1.19	Are all earth connections within the controller present and tightly secured?	Yes
1.20	Is all controller equipment seated securely?	Yes
1.21	Is the controller free from vermin infestation?	Yes
1.22	Is the controller clean and free from debris?	Yes
1.23	Is the base (and the side panel's base, if present) sealed?	Yes
1.24	Are all changeable batteries labelled with an install date?	Yes
1.25	Are all locks and bolts of the correct type and working correctly?	Yes

Section A3 - ESP

1.26	Ensure all the wiring in the ESP is tagged as below:	
a	YELLOW TRIANGLE flag on CPC	Labelled "Safety Electrical Connection"
b	RED flag on supply cable to controller	Labelled "To Controller"
c	In Primary ESP	RED flag on connecting cable to secondary ESP Labelled "To Secondary ESP"
d	In Secondary ESP	RED flag on connecting cable to primary ESP Labelled "To Primary ESP"
e	In Secondary ESP	RED flag on supply cable to the controller Labelled "To Controller"
1.27	Is the earth connection to the ESP door fitted and tightly secured?	Yes
1.28	Is the ESP free from corrosion, with the cutout installed securely?	Yes
1.29	Do all conductors look in good condition, with good integrity of insulation with good secure termination?	Yes
1.30	Is the ESP free from vermin infestation?	Yes
1.31	Is the ESP clean and free from debris?	Yes
1.32	Is the base sealed?	Yes
1.33	Are all locks and bolts of the correct type and working correctly?	Yes

Section A4 - PJL

1.34	Ensure all the wiring in the PJL is tagged as below:	
a	YELLOW flag on cable to controller	Labelled "To controller"
b	YELLOW flag on cable on the incoming BT cable to the PJL	Labelled "From BT"
1.35	Is the PJL free from corrosion, with the termination panel installed securely?	Yes
1.36	Is the PJL free from vermin infestation?	Yes
1.37	Is the PJL clean and free from debris?	Yes
1.38	Is the base sealed?	Yes
1.39	Are all locks and bolts of the correct type and working correctly?	Yes

Section B - Signals Check		
2.00	Are all aspects clearly visible and the correct type to the approved drawing?	Yes
2.01	Are all aspects correctly aligned to the approved drawing?	Yes
2.02	Are the cut-away hoods in good condition and aligned to the approved drawing?	
2.03	Are the tunnel hoods in good condition and aligned to the approved drawing?	
2.04	Are the louvred hoods in good condition and aligned to the approved drawing?	
2.05	Are all regulatory signs present, secure and with the correct legends to the approved drawing?	
2.06	Are all secret signs present, secure and with the correct legends to the approved drawing?	
Section C - Configuration Compliance		
3.00	Does the controller configuration number match that which was supplied to the Project Manager?	New config (issue4) commissioned due to issue with TOD
3.01	Have all aspects passed the "flash out" test?	Yes
3.02	Are all detectors connected to the correct I/O port and responding when activated?	Yes
Section D - Site Operation		
Section D1 - Red Lamp Monitoring		
4.00	Does the crossing extinguish on a second red-lamp fail?	
4.01	Do all associated pedestrian phases inhibit in the case of a second red-lamp fail?	
Section D2 - Signal Aspects		
4.02	Are all aspects working?	Yes
4.03	Is the site free from see-through problems?	Yes
4.04	Are all regulatory signs illuminated?	
4.05	Are all secret signs working under their correct conditions (eg timeswitched)? Ensure correct appearance of phases and stages. Check in all modes of operation and amend time of day to ensure correct functionality.	
4.06	Is dimming working?	Tested OK - although on signal head which is below a street light
4.07	Is all video detection set up with sufficient detection zone?	
Section D3 - Push Button Units		
4.08	Are all audibles fitted and working?	
4.09	Are audibles functioning correct to timetable as per Proposed Timing Sheet?	
4.10	Are audibles functioning correct to timetable as per TfL Blue Specification?	
4.11	Are the audibles at a suitable volume for site location?	
4.12	Are all tactile cones fitted and working?	
Section D4 - Controller / Handset Checks		
4.13	Are the controller's fault logs clear?	Yes
4.14	Is loop detection set up and working correctly (locally)?	No, loop AX faulty
4.15	Is magnetometer detection set up and working correctly (locally)?	
4.16	Are all detectors in the correct DFM groups?	Yes
4.17	Are all detectors set to normal operation?	Yes
4.18	Is the input sense correct for each detector?	Yes
4.19	Is Speed Measurement Detection working correctly?	Yes
4.20	Are all timings as per TfL Blue Specification?	Yes
4.21	Are all timings as per Proposed Timing Sheet?	
4.22	Are the controller's time and date settings (including summer time advanced/retard time) set up and correct?	Yes
4.23	Is the controller to IMU connection working?	
4.24	Can the PSTN line be rung from a mobile phone?	
4.25	Is the IMU in the correct level?	
4.26	Is the controller to OTU lead fitted?	Yes
4.27	Is the controller to OTU connection working?	Yes
4.28	Does the iBUS gemini unit hold the correct configuration?	
4.29	Does it contain the correct GMT time of day and date?	
4.30	Can you see live bus hits?	
4.31	When all plans are run for at least 3 cycles on street with all demands present, do no stages skip?	
4.32	Are all detectors extending and/or demanding as per TfL Blue Specification?	
4.33	Are all detectors extending and/or demanding as per Proposed Timing Sheet?	
4.34	In CLF fallback, when plans 1, 2, 3, 5 & 8 are run for at least 3 cycles on street with all demands present, do no stages skip?	
4.35	In VA fallback, are all detectors extending and/or demanding as per TfL Blue Specification?	Yes
4.36	In VA fallback, are all detectors extending and/or demanding as per Proposed Timing Sheet?	
4.37	Is cross-inhibit linking enabled?	
4.38	Is cross-inhibit linking functioning correctly?	
4.39	Is all local linking working to design?	
4.40	Are special timetable events / hurry calls etc working correct to the TfL Blue Specification?	
4.41	Are the leaving amber links working according to the TfL Blue Specification?	
Section E - Documentation		
5.00	Is a log book present?	Yes
5.01	Is a documentation wallet present?	Yes
5.02	Is the shelved timing sheet present (marked up if appropriate)?	Yes
5.03	Is the authorised drawing present?	Yes
5.04	Is the manufacturer's controller specification present?	Required
5.05	Has all old documentation been removed from the controller?	Yes
5.06	Is the TfL Blue Specification Present?	Yes
5.07	Is a RAM sheet present?	Yes
5.08	Does any data have to be held on RAM sheet after LAT?	If not, ensure RAM sheet is blanked No
5.09	Has the tagging sheet been left on site?	Yes
5.10	Are amendments required to the tagging sheet?	No
5.11	Is the loop identification card present and correct, including wallet?	
5.12	Is the magnetometer identification card present and correct, including wallet?	

Section F - Outcomes

[illegible]