

V4 SCHEDULED SERVICING (AUTO BOLLARDS)

JOB DETAILS

SERVICE CALL NUMBER *

SC1803082

SERVICING DATE *

20-Jul-2021

dd-MMM-yyyy

BOLLARD(S) TYPE *

VP

WHAT3WORDS LOCATION *

///chin.bags.blocks

ENGINEER(S) *

BOLLARD INSPECTION

Pass/Fail criteria per the product Servicing Manual

COVER PLATE(S)

☐ PASS

☐ FAIL

☒ N/A

FLANGE(S)

☒ PASS

☐ FAIL

☐ N/A

BOLLARD LID(S)

☒ PASS

☐ FAIL

TRIDENT PLATE(S)

☐ PASS

☐ FAIL

☒ N/A

CAGE(S)

☒ PASS

☐ FAIL

HYDRAULIC RAM/GAS STRUT(S)

☒ PASS

☐ FAIL

V4 SCHEDULED SERVICING (AUTO BOLLARDS)

LIMIT SWITCH(ES)

☐ PASS

☒ FAIL

☐ N/A

Failure Photo



Drag & Drop (or) [Choose File\(s\)](#)

Action Taken

Limit switch contacts had high resistance. Replaced with new Limit switch/Plunger/Male plug.

PROXIMITY SENSOR(S)

☒ PASS

☐ FAIL

☐ N/A

LIGHT(S) / LED(S)

☐ PASS

☐ FAIL

☒ N/A

BOLLARD(S)

☒ PASS

☐ FAIL

SLEEVE(S)

☒ PASS

☐ FAIL

☐ N/A

OUTER HOUSING(S)

☒ PASS

☐ FAIL

Drainage

☐ No Sign of standing water

☐ Some standing water

☒ Clear failure/lack of drainage

Failure Photo



IMG_20210720_152010.jpg

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Action Taken

All outers have significant drainage issue. It seems like each bollard drainage ducts are linked to each other and then bollard 1 is connected to street drainage. Bollard 1 will not fully drain as it is constantly back filling from street drain connections.

CONTROL SYSTEM INSPECTION

Pass/Fail criteria per the site Control System Manual (if available), or per individual component manuals

☒ PANEL INSPECTION

Lit PLC Fault Lamps

☒ YES☐ NO

Details + Action Taken

System had a bollard failed to get down historical fault. The limit switch failure could have caused this issue.

Safety Relay

☒ PASS☐ FAIL

Loop Detector

☒ PASS☐ FAIL☐ N/A

Cabinet Heater

☒ PASS☐ FAIL☐ N/A

Panel (other)

☒ PASS☐ FAIL

☐ Fire Alarm Intergration

Action Taken

☒ HPU / FAAC PUMP INSPECTION

HPU / FAAC Pump

☒ PASS☐ FAIL

Quick Release Fittings

☐ PASS☒ FAIL

Failure Photo



Drag & Drop (or) [Choose File\(s\)](#)

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Action Taken

Replaced QR fittings on bollard 2.

Oil Level

☒ PASS

☐ FAIL

Oil Filter

☐ PASS

☐ FAIL

☒ N/A

Oil Condition

☒ PASS

☐ FAIL

Oil Heater

☐ PASS

☐ FAIL

☒ N/A

Accumulator

☐ PASS

☐ FAIL

☒ N/A

☒ TRAFFIC INDICATOR INSPECTION

Traffic Indicator

☒ PASS

☐ FAIL

☒ INDUCTIVE LOOPS TEST

Ground Condition

☒ DRY

☐ WET

☐ VERY WET

☒ ENTRY APPROACH LOOP 1 TEST

Loop 1 Insulation (mOhm)

1000.00

PASS

Loop 1 Continuity (Ohm)

0.90

PASS

Action Taken

Loop 1



Drag & Drop (or) [Choose File\(s\)](#)

V4 SCHEDULED SERVICING (AUTO BOLLARDS)

☒ ENTRY APPROACH LOOP 2 TEST

Loop 2 Insulation (mOhm)

1000.00

PASS

Loop 2 Continuity (Ohm)

0.90

PASS

Action Taken

Loop 2



Drag & Drop (or) [Choose File\(s\)](#)

☒ SAFETY LOOP A TEST

Loop A Insulation (mOhm)

1000.00

PASS

Loop A Continuity (Ohm)

0.90

PASS

Action Taken

Loop A



Drag & Drop (or) [Choose File\(s\)](#)

☐ EXIT APPROACH LOOP 4 TEST

☐ EXIT APPROACH LOOP 5 TEST

☐ EXTRA/ADDITIONAL ENTRY LOOP TEST

V4 SCHEDULED SERVICING (AUTO BOLLARDS)

☐ EXTRA/ADDITIONAL EXIT LOOP TEST

☐ SAFETY LOOP B TEST

AFTER SERVICING FUNCTION TESTS

Function test per site Control system Manual (if available)

☒ **NORMAL OPERATION TEST**

System tested to operate to normal use operation configuration

Raise/Lower in 6-8s ☒ PASS ☐ FAIL

Light/LED illuminate ☐ PASS ☐ FAIL ☒ N/A

Traffic Indicator(s) illuminate ☒ PASS ☐ FAIL ☐ N/A

Audible Warning clear ☒ PASS ☐ FAIL ☐ N/A

Access Controls functional ☒ PASS ☐ FAIL

Hydraulic Dump functional ☒ PASS ☐ FAIL

Comments (if any)

☐ **LOCK RAISED OPERATION TEST**

System tested to lock in the raised position with all access control inputs inhibited.

☐ **FORCE RAISE OPERATION TEST**

System tested to raise regardless of any safety protocol being active

☒ **MAINTENANCE OPERATION TEST**

System tested to operate via cabinet control box

Raise/Lower in 6-8s ☒ PASS ☐ FAIL

Comments (if any)

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☐ MANUAL HAND PUMP TEST

System tested to operate via manual hand pump

☐ EMERGENCY FAST OPERATION TEST

System tested to EFO in specified time

☒ POWER OFF/FAIL TEST

System tested for Bollard function in event of power failure.

Intended operation on Power
off/fail

☐ REMAIN RAISED

☒ LOWER

Power Off Test

☒ PASS

☐ FAIL

Comments (if any)

JOB CLOSE-OUT

ENGINEER COMMENTS (if any)

Noticed the pumps are over 10 years old and would benefit from being replaced with new on next service or before.

SYSTEM OPERATIONAL? *

☒ YES

☐ NO

PRIORITY DATA CHECKED? *

☒ YES

☐ NO

FOLLOW UP VISIT REQUIRED? *

☐ YES

☒ NO

CUSTOMER CONFIRMATION

CUSTOMER INFORMED? *

☒ YES

☐ UNAVAILABLE

CUSTOMER SIGNATURE

RATE YOUR ATG EXPERIENCE

☒ ☆ ☆ ☆ ☆ ☆ 0/5