

# CABINET CHECK-IN

REVISION "J, R2"

Location: \_\_\_\_\_

Date Received: \_\_\_\_\_ Recorder: \_\_\_\_\_

Cabinet S/N: \_\_\_\_\_ Phases Used: \_\_\_\_\_

Controller S/N: \_\_\_\_\_ Monitor S/N: \_\_\_\_\_

## Documentation Includes:

- Five Prints \_\_\_\_\_
- Maintenance Manuals (Controller, Conflict Monitor, Relays, etc.) \_\_\_\_\_
- Disk of Prints \_\_\_\_\_

## Hardware

- Visually inspect the cabinet for damage \_\_\_\_\_
- Anchor bolts \_\_\_\_\_

### *Each cabinet must include:*

- Qty. (2) #2 keys for door lock \_\_\_\_\_
- Qty. (2) police door lock keys & police door lock \_\_\_\_\_
- 16 Load Switch Bases (1-8, A-D, Peds.) \_\_\_\_\_
- 12 Load Switches ( I/O's ) \_\_\_\_\_
- 6 Flash Transfer Relays \_\_\_\_\_
- Vent / Filter 12"X16"X1" \_\_\_\_\_
- Flasher Relay \_\_\_\_\_
- Lamp \_\_\_\_\_

### *Information on Door*

- Listing of all Terminal Numbers \_\_\_\_\_
- Intersection Name \_\_\_\_\_
- City of Suffolk \_\_\_\_\_
- Cab Drawing # \_\_\_\_\_

## Power

Transient Protection for: \_\_\_\_\_

- Power \_\_\_\_\_
- Interconnect (3) \_\_\_\_\_
- Loop Detectors \_\_\_\_\_
- Field Terminals (MOV's) \_\_\_\_\_

### *Power Panel*

- 3 Breakers     20 amp \_\_\_\_\_
- 15 amp \_\_\_\_\_
- 40 amp \_\_\_\_\_
- Power Panel Shield provided \_\_\_\_\_
  - Check isolation between ground & neutral buss bars \_\_\_\_\_

Ground Fault Receptacle Present \_\_\_\_\_

**Switches**

*Check operation of Police Panel*

Flash/Auto Switch \_\_\_\_\_

Manual/Auto Switch \_\_\_\_\_

Manual Push Button Jack \_\_\_\_\_

***Inside Switches***

Auto/Flash \_\_\_\_\_

Controller On/Off \_\_\_\_\_

Stop Time/Auto \_\_\_\_\_

Signals On/Off \_\_\_\_\_

**Cables/Harnesses**

Controller Cables – long length \_\_\_\_\_

Printer – Conflict Monitor Cable \_\_\_\_\_

Controller – Conflict Monitor Cable \_\_\_\_\_

**Termination Panels**

All terminal blocks marked \_\_\_\_\_

All terminal blocks marked on the back plane \_\_\_\_\_

Power terminal strip provided for extra equipment \_\_\_\_\_

Interconnect terminal block provided \_\_\_\_\_

***Detector Termination Panel (901-996) includes terminations for:***

Vehicle Call (16) (1 phase) (1-8, A-D, SD1-4) \_\_\_\_\_

Detector 115 (3) \_\_\_\_\_

Detector Com (3) \_\_\_\_\_

Ground (3) \_\_\_\_\_

Logic Gnd (3) \_\_\_\_\_

***Auxiliary Panel (D connector [801-896] includes:***

Pre-emption Test Buttons (2) \_\_\_\_\_

***Detector Test Panel***

Vehicle test switches (Phases 1-8) \_\_\_\_\_

Pedestrian test switches (Phases 2, 4, 6, 8) \_\_\_\_\_

***Non-NEMA Wiring Alterations***

Red, Yellow & Green outputs for Phases 1,3,5,7, overlaps & pedestrian phases are tied to load resistors  
\_\_\_\_\_

Unused Phases – Red output to AC+ \_\_\_\_\_

**OPTICOM**

- Opticom Card Rack \_\_\_\_\_
- Opticom Phase Selector, Model 754 (Serial #) \_\_\_\_\_

**Video Detection**

- Monitor cable \_\_\_\_\_
- Zoom/Focus Cable \_\_\_\_\_
- Programming Harness \_\_\_\_\_
- Video Surge Protection \_\_\_\_\_
- Video Monitor \_\_\_\_\_
- Video Cards (3 ea.) \_\_\_\_\_
- Power Supply Card(Regulated) \_\_\_\_\_
- Viewcom Card \_\_\_\_\_

**Suffolk Wiring Mod's**

- Jumper between Terminal 827 & Terminal 86 \_\_\_\_\_
- Diode between 189 & 187, Cathode 189, Anode 187 \_\_\_\_\_
- Jumper between 144 & 886 \_\_\_\_\_
- Jumper between 811 & 189 \_\_\_\_\_

**Cabinet Operation**

*Check with cabinet hooked up as it would be in the field*

- Check each switch in the cabinet for correct operation \_\_\_\_\_
- After cabinet leaves flash state, cabinet restarts with a green on the main streets \_\_\_\_\_
- Check the cabinet light switch operation \_\_\_\_\_
- Check the thermostat & fan operation \_\_\_\_\_
- Read the convenience receptacle voltage \_\_\_\_\_
- Check the relay to panel socket connections for looseness \_\_\_\_\_
- Check the load switch seating \_\_\_\_\_
- Ensure that all calls are placed on each phase & serviced \_\_\_\_\_
- Check the 24 VDC controller output \_\_\_\_\_
- Measure the controller monitor output \_\_\_\_\_
- Check the controller programming for correctness; check against the shop's "Intersection Timings Book"  
Main Phases: \_\_\_\_\_  Yellow Flash Required \_\_\_\_\_  Yellow Flash Provided \_\_\_\_\_
- Check conflict monitor program card against prints \_\_\_\_\_
- Test the conflict monitor on an automatic device tester \_\_\_\_\_
- Remove the load switch to cause the activation of the conflict monitor; this tests every channel input wire & proves that the monitor can detect a conflict \_\_\_\_\_
- Check stop time operation during flash \_\_\_\_\_
- Check flasher for firmness in socket; check on/off ratio & flash rate \_\_\_\_\_
- Check that flash circuit disengages signal indications \_\_\_\_\_
- Verify the monitor date & time setting \_\_\_\_\_