

TIMING INTERVAL

PHASE 2+6 WALK = Dark Display
 PHASE 2+6 PED CLEAR = Flashing Yellow Display
 PHASE 2+6 VEH YEL CLR = Steady Yellow Display
 PHASE 2+6 RED CLEAR = Steady Red Display
 PHASE 4+8 WALK = Steady Red Display
 PHASE 4+8 PED CLEAR = Alternating Flashing Red Display
 PHASE 4+8 VEH YEL CLR = Alternating Flashing Red Display
 PHASE 4+8 RED CLEAR = Alternating Flashing Red Display

OPERATIONAL NOTES

1. In order for the controller to perform the Pedestrian Hybrid Beacon (HAWK signal) sequence, special logic programming is necessary. Refer to sheet 2 for the Econolite ASC/3-2070 Logic Processor Programming Detail.
2. For operational purposes, Phase 2 and Phase 6 both run dummy pedestrian phases that are required to produce the correct HAWK signal sequence. There are no Phase 2 or Phase 6 pedestrian heads.
3. The only Phase 6 load switch output that is being used drives one of the red signal faces of each signal head.
4. The Logic Processor flashes Phase 2 Yellow during the Phase 2 pedestrian clearance phase, and Phase 2 Yellow drives the solid Yellow signal faces during Phase 2 vehicle Yellow clear.
5. The Phase 2 and Phase 6 red outputs drive the solid Red displays during Phase 2 and Phase 6 Red. The Logic Processor flashes the Phase 2 and 6 Red outputs in a wig-wag pattern during the Phase 4+8 Ped Clear and thru Phase 4+8 vehicle Yellow and Red clear.
6. The controller must be programmed for Ped Clear Thru Red for Pedestrian Phases 4 and 8 so that the Red displays continue to flash during Phases 4 and 8 Yellow and Red clear.
7. Make sure that all Phase 2 and Phase 6 clearance timings match each other, and that all Phase 4 and Phase 8 timings are the same.
8. The Ped 4 push button is programmed to call Ped 4 and Ped 8, and the Ped 8 push button is programmed to call Ped 4 and Ped 8.

THIS ELECTRICAL DETAIL IS FOR
 THE SIGNAL DESIGN: 05-1628
 DESIGNED: July 2022
 SEALED: 07/11/2022
 REVISED: N/A

Electrical Detail - Sheet 3 of 3

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**



**ELECTRICAL AND PROGRAMMING
 DETAILS FOR:**

Prepared for the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27529

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|--|---------------------------|
| Ped Hybrid Beacon on NC 55 EB at NC 55 Business | |
| Division 5 | Wake County Fuquay-Varina |
| PLAN DATE: July 2022 | REVIEWED BY: J.L. Lewis |
| PREPARED BY: M.L. Stygles | REVIEWED BY: J. Ma |
| REVISIONS | INIT. DATE |
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SEAL

DocuSigned by:

 7/11/2022

SIG. INVENTORY NO. 05-1628

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