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sgk:irapatrik

ALTERNATE PHASING ACTIVATION DETAIL

TO RUN ALT. PHASING DURING FREE RUN - PROGRAM CHANGES (SHOWN BELOW) IN A TIME BASED ACTION PLAN.
SCHEDULE A DAY PLAN THAT INCLUDES THE ACTION PLAN PROGRAMMED
TO SELECT VEH DET PLAN 2 AND ENABLE SF BITS 1 & 5.

TO RUN ALT. PHASING DURING COORDINATION - SELECT THE TIME BASED ACTION PLAN THAT IS PROGRAMMED
TO SELECT VEH DET PLAN 2 AND ENABLE SF BITS 1 & 5.

PHASING	VEH DET PLAN	SF BITS ENABLED
ACTIONS REQUIRED TO RUN <u>DEFAULT PHASING</u>	1	NONE
ACTIONS REQUIRED TO RUN <u>ALTERNATE PHASING</u>	2	1, 5

IMPORTANT: IF ALT. PHASING IS USED DURING FREE RUN AND COORDINATION, DO NOT OPERATE TIME OF DAY
EVENTS CONCURRENTLY WITH COORDINATION PLAN EVENTS IN THE EVENT SCHEDULER. (EX. FREE
RUN EVENT SHOULD END BEFORE COORDINATION PLAN EVENT STARTS AND VICE-VERSA).

ALTERNATE PHASING CHANGE SUMMARY

THE FOLLOWING IS A SUMMARY OF WHAT TAKES PLACE WHEN
SF BITS 1 & 5 AND VEH DET PLAN 2 ACTIVATE TO CALL THE
"ALTERNATE PHASING":

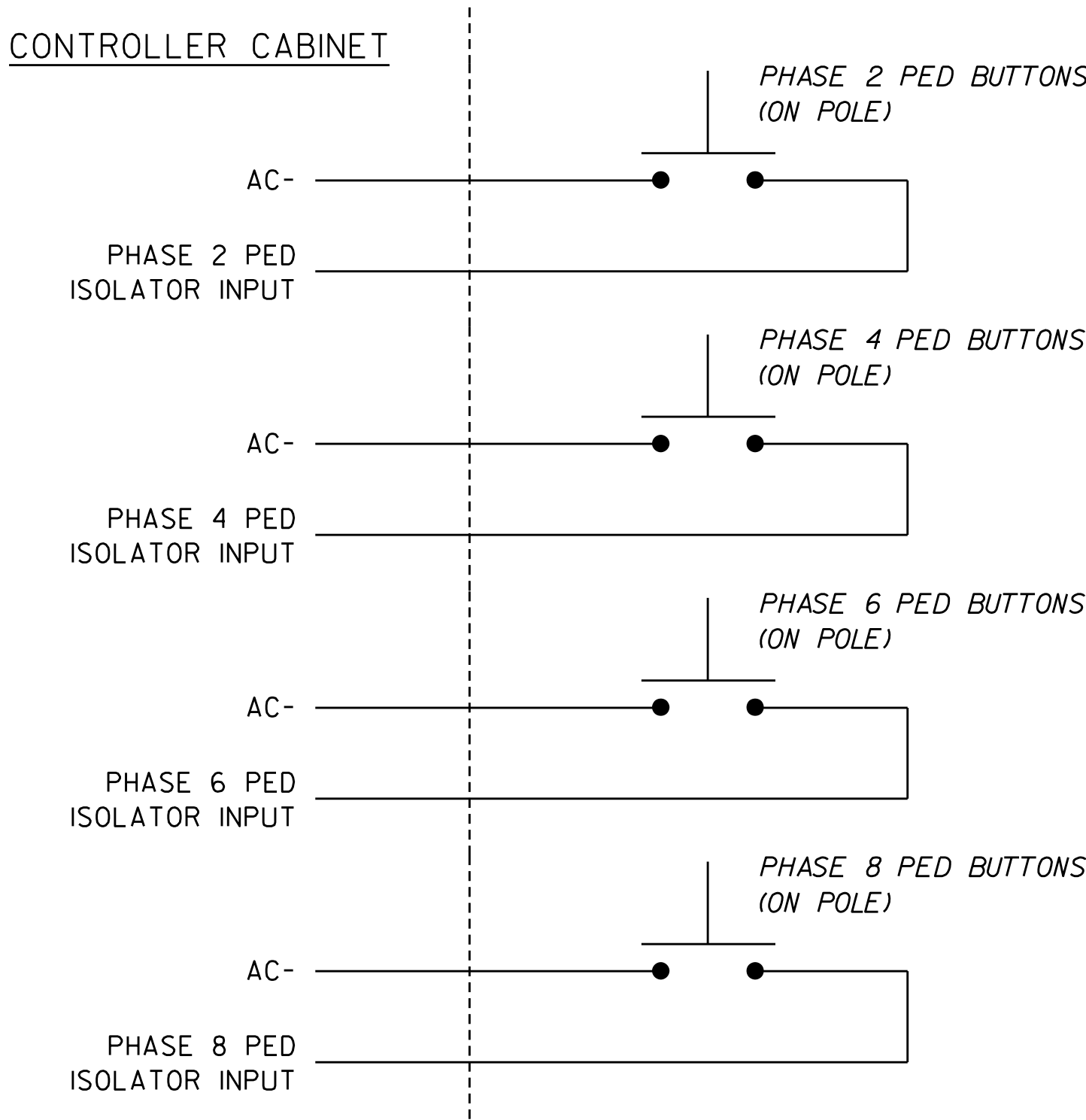
SF BITS 1 & 5: Modifies overlap parent phases for
heads 11 and 51 to run protected
turns only.

VEH DET PLAN 2: Disables phase 6 call on loop 1A
and reduces delay time for phase 1
call on loop 1A to 0 seconds.

Disables phase 2 call on loop 5A
and reduces delay time for phase 5
call on loop 5A to 0 seconds.

PEDESTRIAN PUSH BUTTON WIRING DETAIL

(wire push buttons as shown)



ECONOLITE ASC/3-2070 STARTUP AND
SOFTWARE FLASH PROGRAMMING DETAIL

(program controller as shown)

- From Main Menu select **2. CONTROLLER**
- From CONTROLLER Submenu select **5. START/FLASH**

START/FLASH DATA												
-----START UP-----												
PHASE	1	2	3	4	5	6	7	8	9	0	1	2
	A	B	C	D	E	F	G	H	I	J	K	L
OVERLAP	X	X	X	X	X	X	X	X	X	X	X	X
FLASH>MON.	NO	FL	TIME..	0	ALL	RED...	6					
PWR START SEQ..	1	MUTCD>	YES	Y-	G:	NO						

Scroll down on this screen and set "Exit FI" to Green "G"

PROJECT REFERENCE NO.	SHEET NO.
HL-0033	Sig. 3.4

ECONOLITE ASC/3-2070 ACTION PLAN
PROGRAMMING DETAIL

- From Main Menu select **5. TIME BASE**
- From TIME BASE Submenu select **2. ACTION PLAN**

ACTION PLAN...[*]												
PATTERN.....	AUTO	SYS OVERRIDE....	NO									
TIMING PLAN.....	0	SEQUENCE.....	0									
VEH DETECTOR PLAN..	2	DET LOG.....	NONE									
FLASH.....	--	RED REST.....	NO									
VEH DET DIAG PLN...	0	PED DET DIAG PLN..	0									
DIMMING ENABLE..	NO	PRIORITY RETURN.	NO									
PED PR RETURN..	NO	QUEUE DELAY....	NO									
PMT COND DELAY	NO											
PHASE	1	2	3	4	5	6	7	8	9	0	1	2
PED RCL	.	.	.	.	.	.	.	.	.	.	.	.
WALK 2	.	.	.	.	.	.	.	.	.	.	.	.
VEX 2	.	.	.	.	.	.	.	.	.	.	.	.
VEH RCL	.	.	.	.	.	.	.	.	.	.	.	.
MAX RCL	.	.	.	.	.	.	.	.	.	.	.	.
MAX 2	.	.	.	.	.	.	.	.	.	.	.	.
PHASE	1	2	3	4	5	6	7	8	9	0	1	2
MAX 3	.	.	.	.	.	.	.	.	.	.	.	.
CS INH	.	.	.	.	.	.	.	.	.	.	.	.
OMIT	.	.	.	.	.	.	.	.	.	.	.	.
SPC FCT	X	.	.	.	X	.	.	.	.	(1-8)		
AUX FCT	.	.	.	(1-3)								
	1	2	3	4	5	6	7	8	9	0	1	2
LP 1-15	.	.	.	.	.	.	.	.	.	.	.	.
LP 16-30	.	.	.	.	.	.	.	.	.	.	.	.
LP 31-45	.	.	.	.	.	.	.	.	.	.	.	.
LP 46-60	.	.	.	.	.	.	.	.	.	.	.	.
LP 61-75	.	.	.	.	.	.	.	.	.	.	.	.
LP 76-90	.	.	.	.	.	.	.	.	.	.	.	.
LP 91-100	.	.	.	.	.	.	.	.	.	.	.	.

* The Action Plan number(s) are to be determined by
the Division and/or City Traffic Engineer.

Electrical Detail - Sheet 4 of 4

Electrical and Programming Details For:

Prepared In the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

SR 3126 (Airport Boulevard)
at
Town Hall Drive

Division 5Wake CountyMorrisville

PLAN DATE: October 2025REVIEWED BY:

PREPARED BY: S. KirkpatrickREVIEWED BY:

REVISIONS

INIT. DATE

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 05-1242
DESIGNED: October 2025
SEALED: 10/28/2025
REVISED: N/A

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
TODD JOYCE
031001

DocuSigned by:
D. Todd Joyce10/28/2025
DATE
SIG. INVENTORY NO. 05-1242