

LOGICAL I/O PROCESSOR PROGRAMMING DETAIL TO PRODUCE SPECIAL FYA-PPLT SIGNAL SEQUENCE AND FIRE HOUSE LAMP CONTROL

(program controller as shown below)

- FROM MAIN MENU PRESS '2' (PHASE CONTROL), THEN '1' (PHASE CONTROL FUNCTIONS). SCROLL TO THE BOTTOM OF THE MENU AND ENABLE ACT LOGIC COMMANDS 1, 2, 3, 4 AND 5.
- FROM MAIN MENU PRESS '6' (OUTPUTS), THEN '3' (LOGICAL I/O PROCESSOR).

LOGICAL I/O COMMAND #1 (+/-COMMAND#)
IF ACTIVE PHASE #5 IS ON
AND RED CLEAR ON PHASE #5 IS ON

↓
SCROLL DOWN

THEN:
SET OUTPUT ASSIGNMENT #42 ON
SET OUTPUT ASSIGNMENT #43 OFF

PRESS '+'

NOTE: LOGIC FOR PHASE 5 RED CLEAR WHEN TRANSITIONING FROM PHASE 5 TO PHASE 6 (HEAD 51).

LOGICAL I/O COMMAND #2 (+/-COMMAND#)
IF ACTIVE PHASE #5 IS ON

↓
SCROLL DOWN

THEN:
SET OUTPUT ASSIGNMENT #44 OFF

PRESS '+'

NOTE: LOGIC FOR SWITCHING FLASHING YELLOW ARROW "OFF" DURING PHASE 5 (HEAD 51).

LOGICAL I/O COMMAND #3 (+/-COMMAND#)
IF YELLOW ON PHASE #5 IS ON

↓
SCROLL DOWN

THEN:
SET OUTPUT ASSIGNMENT #43 ON

PRESS '+'

NOTE: LOGIC FOR YELLOW ARROW CLEARANCE FROM PHASE 5 (HEAD 51).

LOGICAL I/O COMMAND #4 (+/-COMMAND#)
IF INPUT ASSIGNMENT #14 IS ON
OR ACTIVE PREEMPTION #2 IS ON

↓
SCROLL DOWN

THEN:
SET OUTPUT ASSIGNMENT #35 ON

PRESS '+'

NOTE: BEGIN FIRE HOUSE PILOT LAMP LOGIC.

LOGICAL I/O COMMAND #5 (+/-COMMAND#)
IF INPUT ASSIGNMENT #14 IS OFF
AND ACTIVE PREEMPTION #2 IS OFF

↓
SCROLL DOWN

THEN:
SET OUTPUT ASSIGNMENT #35 OFF

LOGIC I/O PROCESSOR PROGRAMMING COMPLETE

NOTE: END FIRE HOUSE PILOT LAMP LOGIC.

OUTPUT REFERENCE SCHEDULE

INPUT 14	= Preempt 2 Input
OUTPUT 35	= Phase 4 Ped Yellow
OUTPUT 42	= Overlap C Red
OUTPUT 43	= Overlap C Yellow
OUTPUT 44	= Overlap C Green

OVERLAP PROGRAMMING DETAIL

(program controller as shown below)

FROM MAIN MENU PRESS '8' (OVERLAPS), THEN '1' (VEHICLE OVERLAP SETTINGS).

PRESS '+' TWICE

PAGE 1: VEHICLE OVERLAP 'C' SETTINGS
PHASE: 12345678910111213141516
VEH OVL PARENTS: XX
VEH OVL NOT VEH:
VEH OVL NOT PED:
VEH OVL GRN EXT:
STARTUP COLOR: _ RED _ YELLOW _ GREEN
FLASH COLORS: _ RED _ YELLOW X GREEN
SELECT VEHICLE OVERLAP OPTIONS: (Y/N)
FLASH YELLOW IN CONTROLLER FLASH?...Y
GREEN EXTENSION (0-255 SEC)...0
YELLOW CLEAR (0=PARENT,3-25.5 SEC)...0.0
RED CLEAR (0=PARENT,0.1-25.5 SEC)...0.0
OUTPUT AS PHASE # (0=NONE, 1-16)...0

← NOTICE GREEN FLASH

OVERLAP PROGRAMMING COMPLETE

ADVANCE WALK NOTE

(program controller as shown below)

From Main Menu press '2' (Phase Control), then '1' (Phase Control Functions). Program phases 4 and 8 for 'Advanced Walk'. Make sure the Walk Advance Time shown on the Signal Design plans are programmed in the 'Phase Timing' menu.

PEDESTRIAN DETECTOR ASSIGNMENT PROGRAMMING DETAIL

(program controller as shown below)

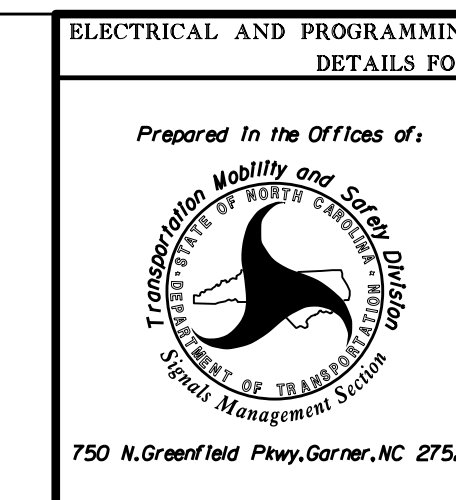
FROM MAIN MENU PRESS '7' (DETECTORS), THEN '2' (PEDESTRIAN DETECTOR ASSIGNMENTS). PRESS '+' UNTIL PED DETECTOR #4 IS REACHED.

PED DETECTOR #4 SETTINGS (+/- DET)
PHASE# 12345678910111213141516
PHASES ASSIGNED: X X
SETTING: (Y/N)
ENABLE DETECTOR...Y
ENABLE LOGGING...Y
ENABLE DIAGNOSTICS...N
RECALL IF FAILED...Y
MAX CALLS/MINUTE (0-255)...255
MAX CALLS/DIAG PERIOD (0-255)...0
MAX OCCUPANCY % (0-100%)...100

PED PROGRAMMING COMPLETE

2016-12-20 14:15 S:\IT\GIS\GIS\Sigs\Signal\work\hgr\oups\Sig_Map\511\ck\lanch#31218_sml.e_xxv.dgn

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-1218
DESIGNED: December 2016
SEALED: 12/20/2016
REVISED:



ELECTRICAL AND PROGRAMMING DETAILS FOR:		NC 112 (Sand Hill Road) at Jacob Holm Way /Southeastern Container	
Division 13	Buncombe County	Enka	
PLAN DATE: December 2016	REVIEWED BY: T. Joyce		
PREPARED BY: C. Strickland	REVIEWED BY:		
REVISIONS	INIT.	DATE	

Seal of Gregory M. Little, Professional Engineer, License No. 030530, State of North Carolina. The seal includes the text 'Seal of Gregory M. Little, Professional Engineer, License No. 030530, State of North Carolina'.