EDI MODEL 2018ECL-NC CONFLICT MONITOR ON OFF PROGRAMMING DETAIL WD ENABLE 🕥 (remove jumpers and set switches as shown) SW2 REMOVE DIODE JUMPERS 2-6, 2-II, 2-I5, 6-II, 6-I5 and II-I5. — wD 1.0 SEC I—SF#1 POLARITYն —LEDguard -FYA COMPACT — FYA 1−9 FYA 3-10 FYA 5-11 FYA 7-12 COMPONENT SIDE REMOVE JUMPERS AS SHOWN NOTES: 1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently. DENOTES POSITION

NOTES

- 1. To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. Verify that signal heads flash in accordance with the signal plans.
- 2. Program controller to Start Up in phases 2 and 6 green.
- 3. Set power-up flash time to 0 seconds within the controller programming. The conflict monitor will govern startup flash. Ensure STARTUP "RED START" is set to 0 seconds.
- 4. Enable Simultaneous Gap-Out feature for all phases.
- 5. Program all timing information into phase banks 1, 2, and 3 unless otherwise noted.
- 6. Set phase bank 3 maximum limit to 250 seconds for phases
- 7. Ensure start up flash phases are coordinated with flash program block assignments.
- 8. Program Startup Ped Calls for phase 6.
- 9. Set the Red Revert interval on the controller to 1 second.
- 10. This cabinet and controller are part of the Durham Signal System.

EQUIPMENT INFORMATION

CONTROLLER.........2070E SOFTWARE...........McCAIN 2033 CABINET MOUNT.....BASE OUTPUT FILE POSITIONS...18 WITH AUX FILE LOAD SWITCHES USED......S2,S5,S8,S9,AUX S4 PHASES USED......2,4,6,6 PED OVERLAP 1......NOT USED OVERLAP 2.....NOT USED OVERLAP 3.....6 OVERLAP 4.....NOT USED

PROJECT REFERENCE NO. Sig.42.1 U-3308

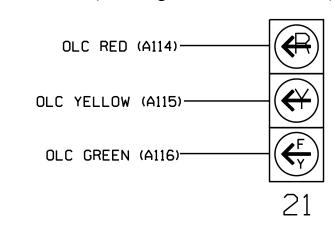
SIGNAL HEAD HOOK-UP CHART																		
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S 7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OL1	0L2	SPARE	0L3	OL4	SPARE
SIGNAL HEAD NO.	NU	22,23	NU	NU	42,43	NU	NU	62,63	P61, P62	NU	NU	NU	NU	NU	NU	21	NU	NU
RED		128			101			134										
YELLOW		129			102			135										
GREEN		130			103			136										
RED ARROW																A114		
YELLOW ARROW																A115		
FLASHING YELLOW ARROW																A116		
GREEN ARROW																		
₩									119									
Ķ									121									
NII - Not Used																		

NU = Not Used

- * Denotes install load resistor. See load resistor installation detail this sheet.
- ★ See pictorial of head wiring in detail below.

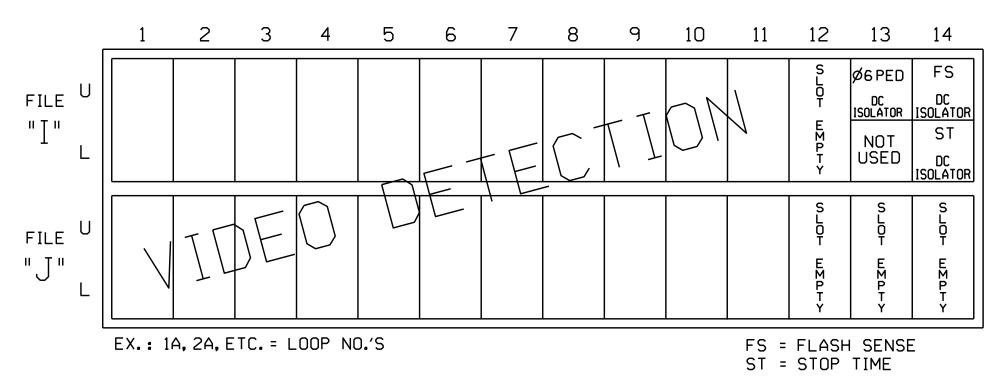
3 SECTION FYA PPLT SIGNAL WIRING DETAIL

(wire signal heads as shown)



INPUT FILE POSITION LAYOUT

(front view)



2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.

4. Connect serial cable from conflict monitor to comm. port 1 of 2070

controller. Ensure conflict monitor communicates with 2070.

3. Ensure that Red Enable is active at all times during normal operation.

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	DETECTOR NO.	PIN NO.	ATTRIBUTES	NEMA PHASE
PED PUSH BUTTONS						
P61,P62	TB8-7 , 9	I13U	26	68	2	6 PED

INPUT FILE POSITION LEGEND: J2L SLOT 2-LOWER-

DETECTOR ATTRIBUTES LEGEND:

OF SWITCH

1-FULL TIME DELAY 2-PED CALL 3-RESERVED 4-COUNTING 5-EXTENSION 6-TYPE 3 7-CALLING 8-ALTERNATE

SPECIAL DETECTOR NOTE

Install a video detection system for vehicle detection. Perform installation according to manufacturer's directions and NCDOT engineer-approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

OVERLAPS [3] PROGRAMMING DETAIL

Program overlaps as follows: Main Menu - 4) OVERLAP

PRESS '+' TWO TIMES

OVERLAP [3]:

LOADSWITCH = 11VEH SET 1 = 6YELLOW CLEARANCE = 4.1

RED CLEARANCE = 2.1

NOTE: FOR SIGNAL HEAD 21

OVERLAP GREEN FLASH PROGRAMMING FOR 3 SECTION FYA

The following will cause the overlap green outputs to flash, which are wired to the flashing yellow arrow. Program as follows:

Main Menu - 1) PHASE - 2) PHASE FUNCTIONS PAGE TWO OLAP G FL = 3

> THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 05-1027T3 DESIGNED: September 2014 SEALED: 4-02-15 REVISED: N/A

Electrcial Detail

ELECTRICAL AND PROGRAMMING Prepared in the Offices of:

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PLAN DATE: November 2014 REVIEWED BY: 978 PREPARED BY: James Peterson | REVIEWED BY: REVISIONS INIT. DATE

SEAL SIG. INVENTORY NO. 05-1027T3

COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.