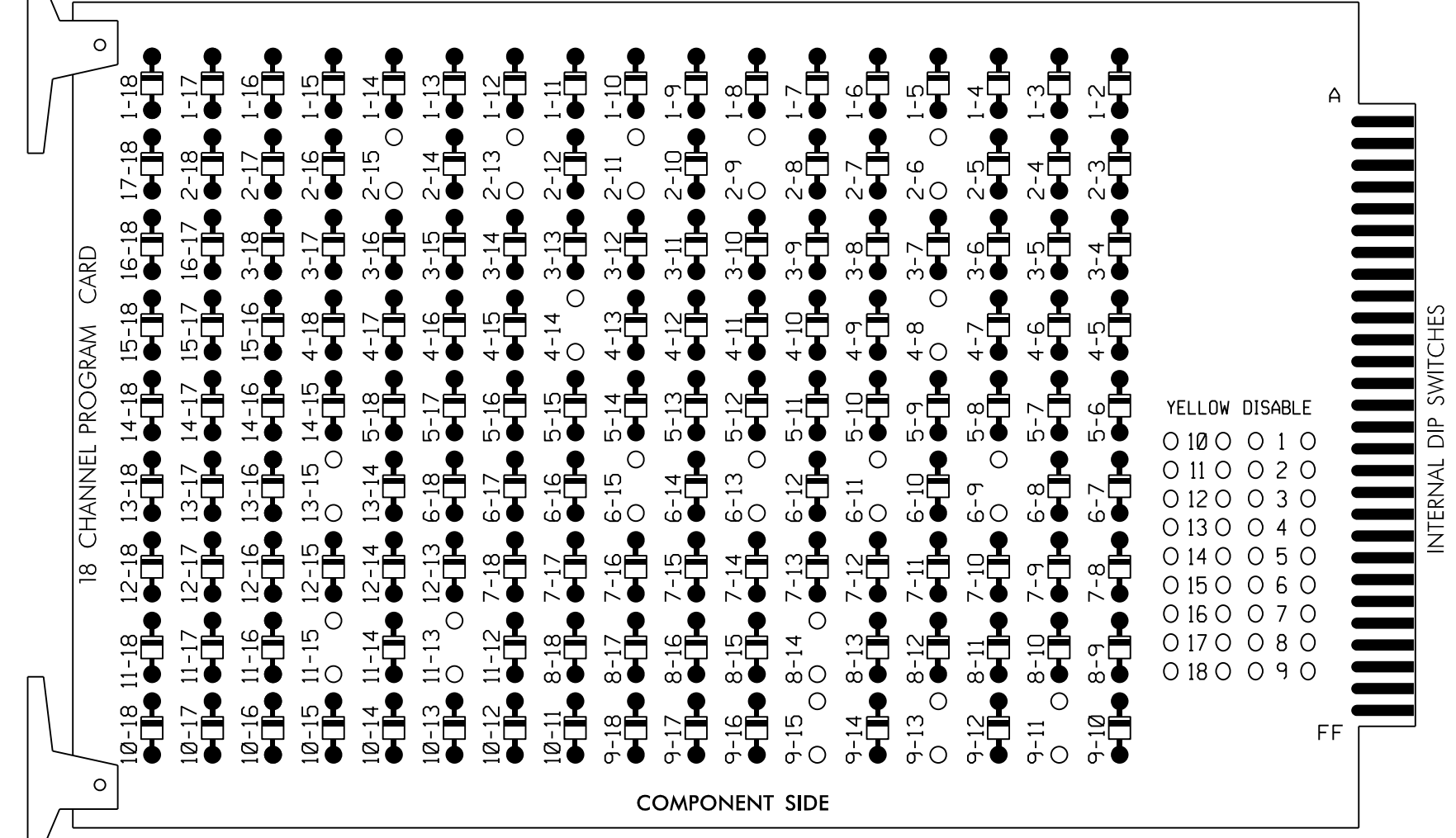


EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 2-6, 2-9, 2-11, 2-13, 2-15, 4-8, 4-14, 6-9, 6-11, 6-13, 6-15, 8-14, 9-11, 9-13, 9-15, 11-13, 11-15, and 13-15.



REMOVE JUMPERS AS SHOWN

NOTES:

- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
- Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
- Ensure that Red Enable is active at all times during normal operation.
- Integrate monitor with Ethernet network in cabinet.

■ = DENOTES POSITION OF SWITCH

NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
- Program phases 4 and 8 for Dual Entry.
- Program controller to start up in phase 2 Walk and 6 Walk.
- If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.

EQUIPMENT INFORMATION

CONTROLLER.....2070LX
 CABINET.....332 w/AUX
 SOFTWARE.....ECONOLITE ASC/3-2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S2,S3,S5,S6,S8,S9,S11,
 AUX S1,AUX S4
 PHASES USED.....2,2PED,4,4PED,6,6PED,8
 OVERLAP "A".....*
 OVERLAP "B".....NOT USED
 OVERLAP "C".....*
 OVERLAP "D".....NOT USED
 * See overlap programming detail on sheet 2

SIGNAL HEAD HOOK-UP CHART

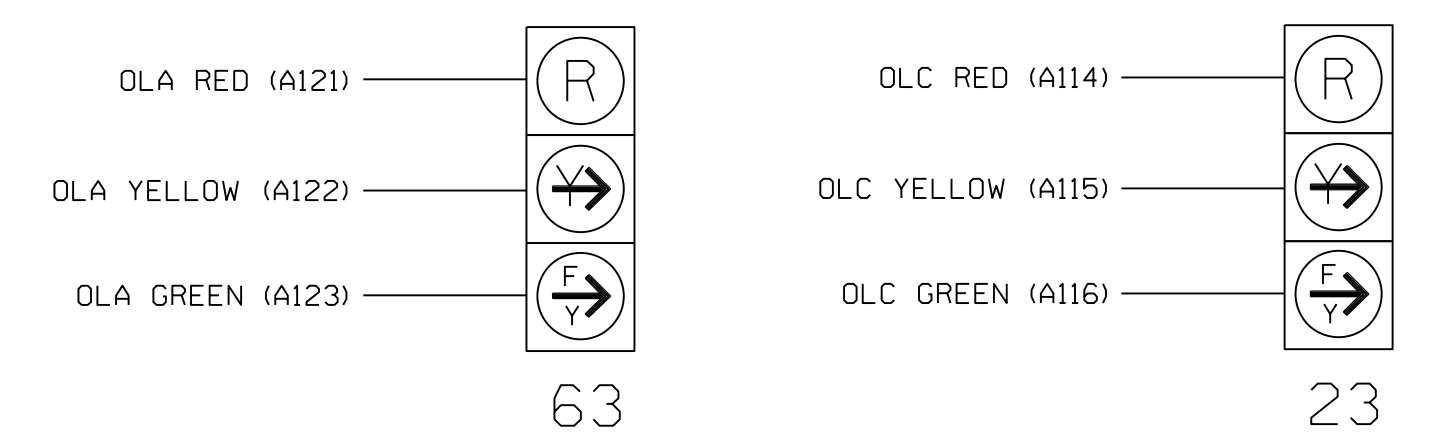
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6							
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18							
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE							
SIGNAL HEAD NO.	NU	21,22	24	P21,P22 P23,P24	NU	41,42	43	44,45 46	P41,P42 P43,P44	61,62	64	P61,P62 P63,P64 P65,P66	NU	81,82	83	84,85 86	NU	63	NU	NU	23	NU	NU		
RED		128	128		101	101	101			134	134					107	107	107							
YELLOW		129	129		102	102				135	135					108	108								
GREEN			130		103					136						109									
RED ARROW																A121							A114		
YELLOW ARROW						102										A122							A115		
FLASHING YELLOW ARROW																A123							A116		
GREEN ARROW		130			103	103				136						109	109								
Hand							113			104														119	
Walking																									121

NU = Not Used

* See pictorial of head wiring in detail this sheet.

FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



INPUT FILE POSITION LAYOUT

(front view)

FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	S	∅ 2	S	S	S	∅ 4	∅ 4	S	S	S	S	∅ 2PED	∅ 6PED	FS
L	2A	2B				4A	4C					DC ISOLATOR	DC ISOLATOR	DC ISOLATOR
U	S	∅ 6	S	S	S	∅ 8	∅ 8	S	S	S	S	PRE3	S	S
L	6A	6B				8A	8C					DC ISOLATOR	DC ISOLATOR	DC ISOLATOR
U	S	∅ 6	S	S	S	∅ 8	∅ 8	S	S	S	S	NOT USED	S	S
L	6B					8B	8D					NOT USED	DC ISOLATOR	DC ISOLATOR

EX.: 1A, 2A, ETC. = LOOP NO.'S

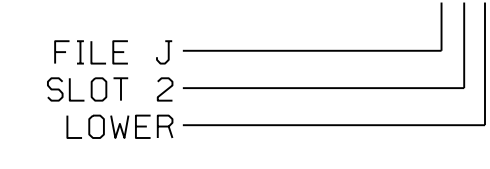
FS = FLASH SENSE
 ST = STOP TIME
 PRE = PREEMPT

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	ADDED INITIAL	DETECTOR TYPE
2A	TB2-5,6	I2U	39	2	2	YES			X	N
2B	TB2-7,8	I2L	43	12	2	YES			X	N
4A	TB4-9,10	I6U	41	4	4	YES				N
4B	TB4-11,12	I6L	45	14	4	YES				N
4C	TB6-1,2	I7U	65	34	4	YES				N
4D	TB6-3,4	I7L	78	44	4	YES				N
6A	TB3-5,6	J2U	40	6	6	YES			X	N
6B	TB3-7,8	J2L	44	16	6	YES			X	N
8A	TB5-9,10	J6U	42	8	8	YES				N
8B	TB5-11,12	J6L	46	18	8	YES				N
8C	TB7-1,2	J7U	66	38	8	YES				N
8D	TB7-3,4	J7L	79	48	8	YES				N

NOTE:
 INSTALL DC ISOLATORS
 IN INPUT FILE SLOTS
 112 AND 113.

INPUT FILE POSITION LEGEND: J2L



Final Design
 Electrical Detail - Sheet 1 of 2

US 21 (Charlotte Highway) at SR 1100 (Brawley School Road) / SR 1117 (Wilson Avenue)

Division 12 Iredell County Mooresville

PLAN DATE: May 2022 REVIEWED BY: E D Harris

PREPARED BY: D A Waller REVIEWED BY: R M Muncey

REVISIONS	INIT.	DATE

DocuSigned by: **Derrick Waller** 3/22/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

North Carolina Professional Engineer Seal 042678

DocuSigned by: **Derrick A. Waller** 3/22/2023

SIG. INVENTORY NO. 12-1369

3/21/2022 10:44 AM U:\Projects\3833C\Sig\Detail\EDI Model 2018ECLip-NC Conflict Monitor.dgn User: dwall118r