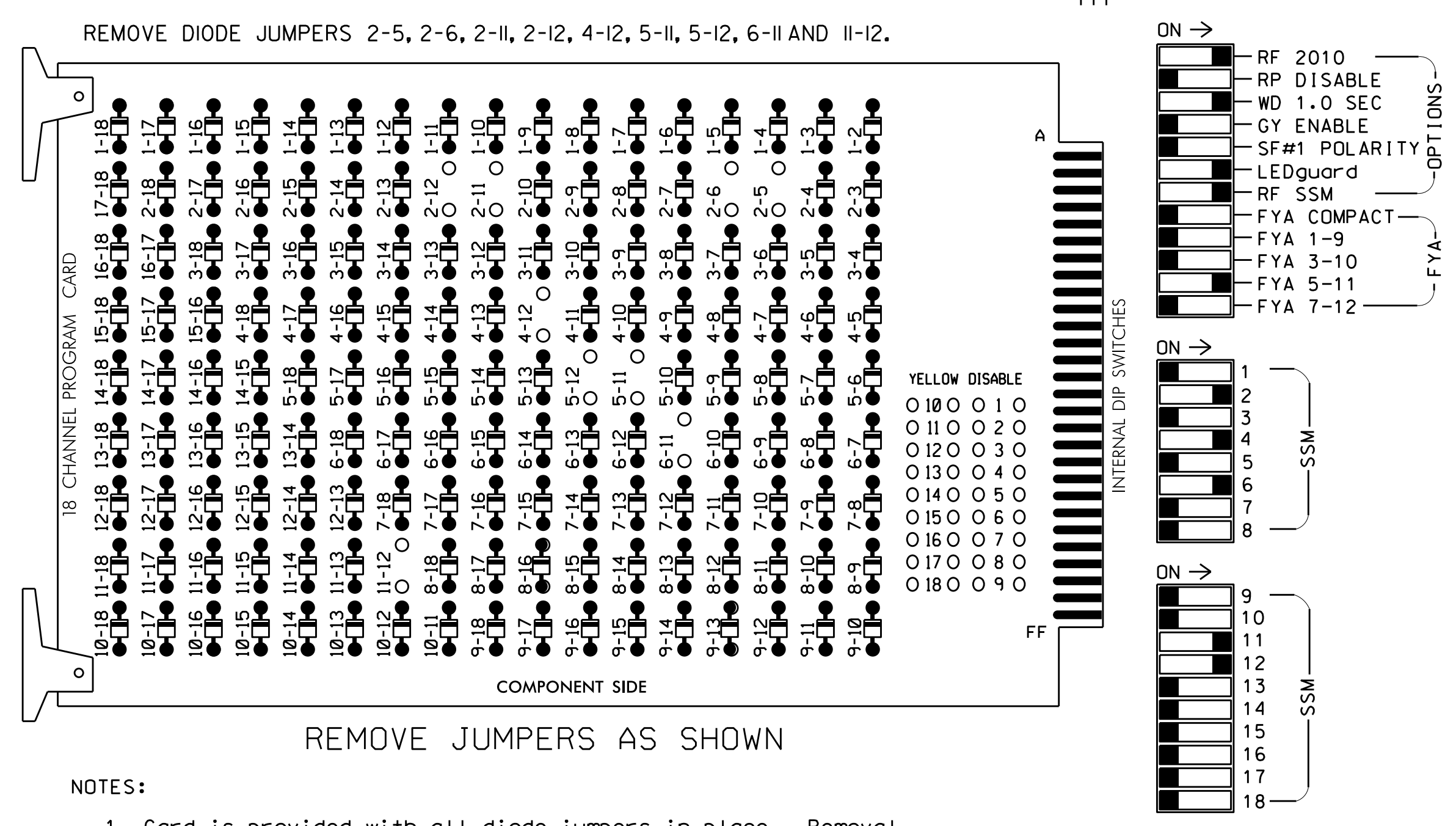


**EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL**

(remove jumpers and set switches as shown)



**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 controller to start up in phase 2 Green and phase 6 Green.
- The cabinet and controller are part of the SR 1007 (Mebane Oaks Rd) Close Loop System Signal System #10705.

**SIGNAL HEAD HOOK-UP CHART**

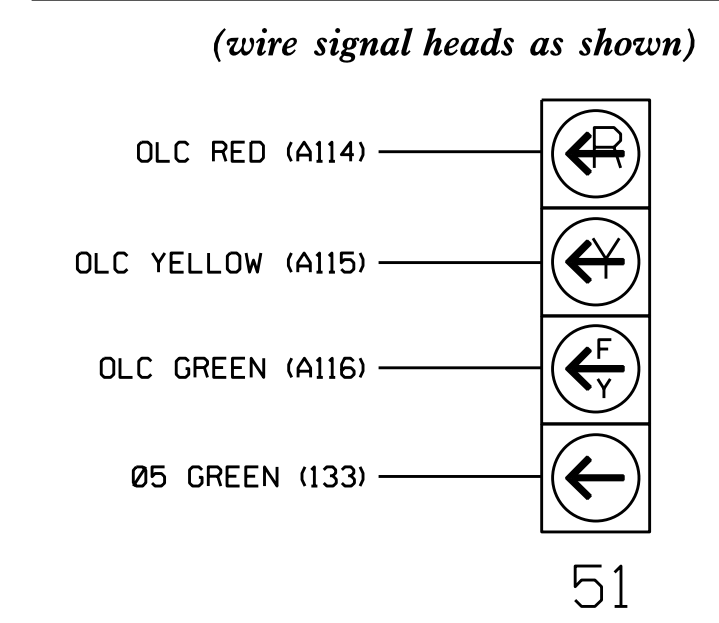
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	NU	21,22	NU	NU	41,42	62	NU	51	61,62	NU	NU	NU	NU	NU	NU	51	43	NU
RED		128								134								A101
YELLOW		129						*	135									
GREEN		130							136									
RED ARROW					101													A114
YELLOW ARROW					102	102												A115 A102
FLASHING YELLOW ARROW																		A116
GREEN ARROW					103	103	133											A103

NU = Not Used  
 \* Denotes install load resistor. See load resistor installation detail this sheet.  
 ★ See pictorial of head wiring in detail this sheet.

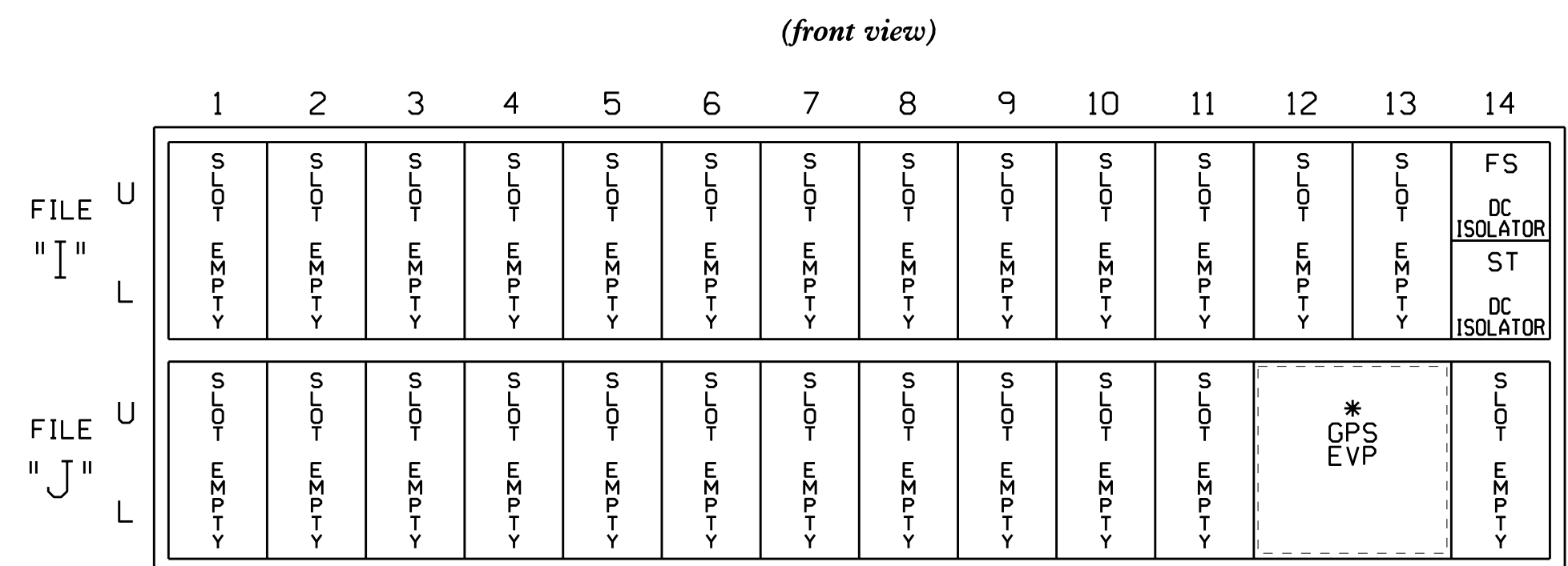
**EQUIPMENT INFORMATION**

CONTROLLER.....2070  
 CABINET.....332 W/ AUX  
 SOFTWARE.....ECONOLITE ASC/3-2070  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
 LOAD SWITCHES USED.....S2,S5,S7,S8,AUX S4,AUX S5  
 PHASES USED.....2,4,5,6  
 OVERLAP "A".....NOT USED  
 OVERLAP "B".....NOT USED  
 OVERLAP "C".....\*  
 OVERLAP "D".....\*  
 \* See overlap programming detail on sheet 2

**FYA SIGNAL WIRING DETAIL**



**INPUT FILE POSITION LAYOUT**



EX.: 1A, 2A, ETC. = LOOP NO.'S  
 See GPS Preemption Installation Note Below

FS = FLASH SENSE  
 ST = STOP TIME

**VIDEO 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.

**FLASHER CIRCUIT MODIFICATION DETAIL**

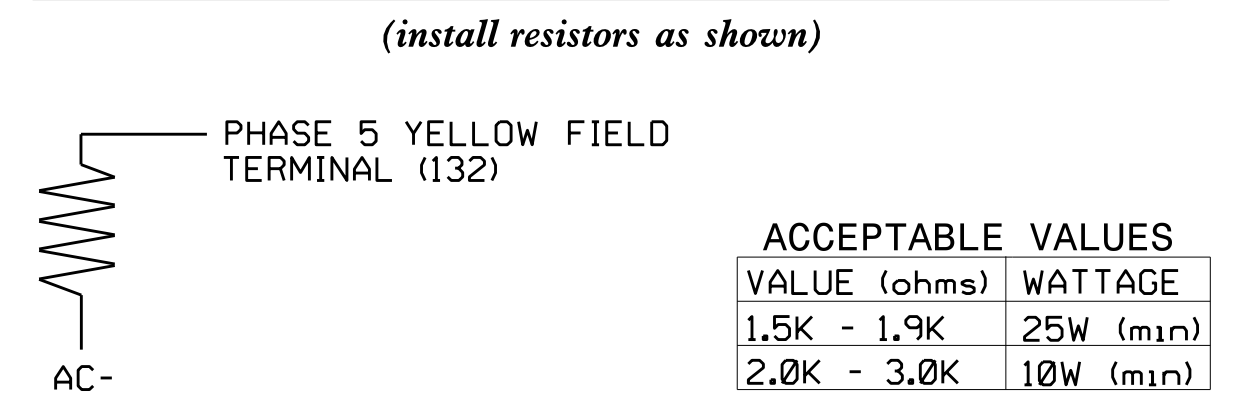
IN ORDER TO ENSURE THAT SIGNALS FLASH CONCURRENTLY ON THE SAME APPROACH, MAKE THE FOLLOWING FLASHER CIRCUIT CHANGES:

- ON REAR OF PDA - REMOVE WIRE FROM TERM. T2-4 AND TERMINATE ON T2-2.
- ON REAR OF PDA - REMOVE WIRE FROM TERM. T2-5 AND TERMINATE ON T2-3.
- REMOVE FLASHER UNIT 2.

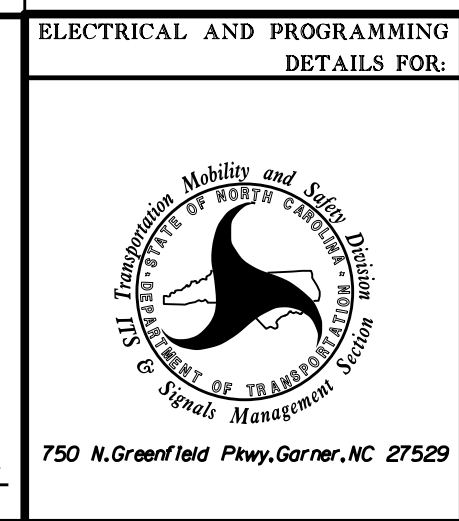
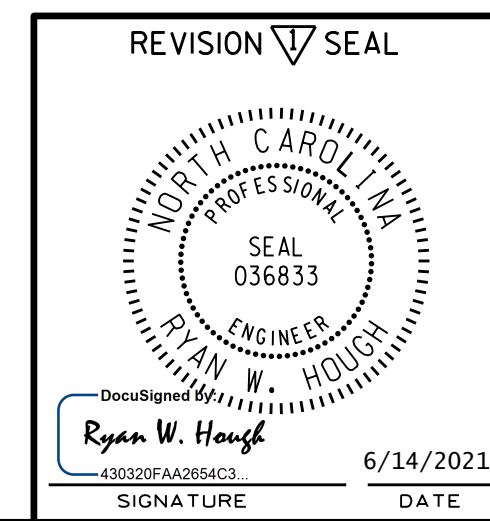
THE CHANGES LISTED ABOVE TIES ALL PHASES AND OVERLAPS TO FLASHER UNIT 1.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-2060T1  
 DESIGNED: November 2019  
 SEALED: 12-17-19  
 REVISED: 6-10-21

**LOAD RESISTOR INSTALLATION DETAIL**



Temporary Design 1  
 Electrical Detail - Sheet 1 of 2



SR 1007 (Mebane Oaks Rd) at Garrett Crossing (Walmart Entrance)

Division 7	Alamance County	Mebane
PLAN DATE: November 2019	REVIEWED BY: Z. "Gavin" Teng	
PREPARED BY: Z. "Gavin" Teng	REVIEWED BY:	
REVISIONS	DATE	
1. No change to electrical details. (UP)	6/14/21	

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

SEAL

Not a certified document. This document originally issued and sealed by Zhaolong Teng, PE, no. 32179 on 12/17/2019. This document shall not be considered a certified document.

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

SIG. INVENTORY NO. 07-2060T1

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 I:\Users\2017\_07\_25\Documents\Signal\Work\Signal\Signal\EDI Model 2018 ECLIP-NC Conflict Monitor\EDI Model 2018 ECLIP-NC Conflict Monitor.dgn