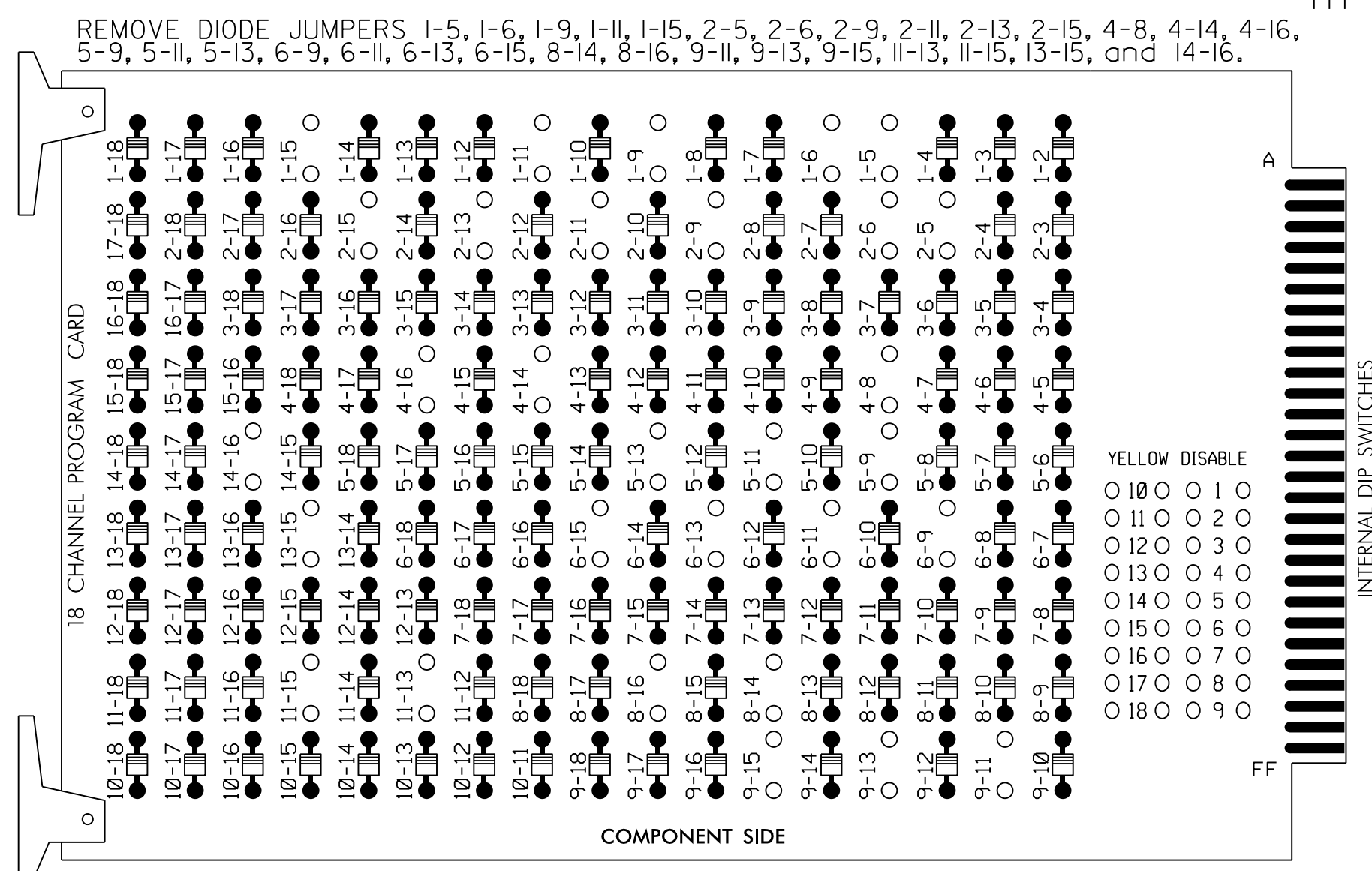


EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL

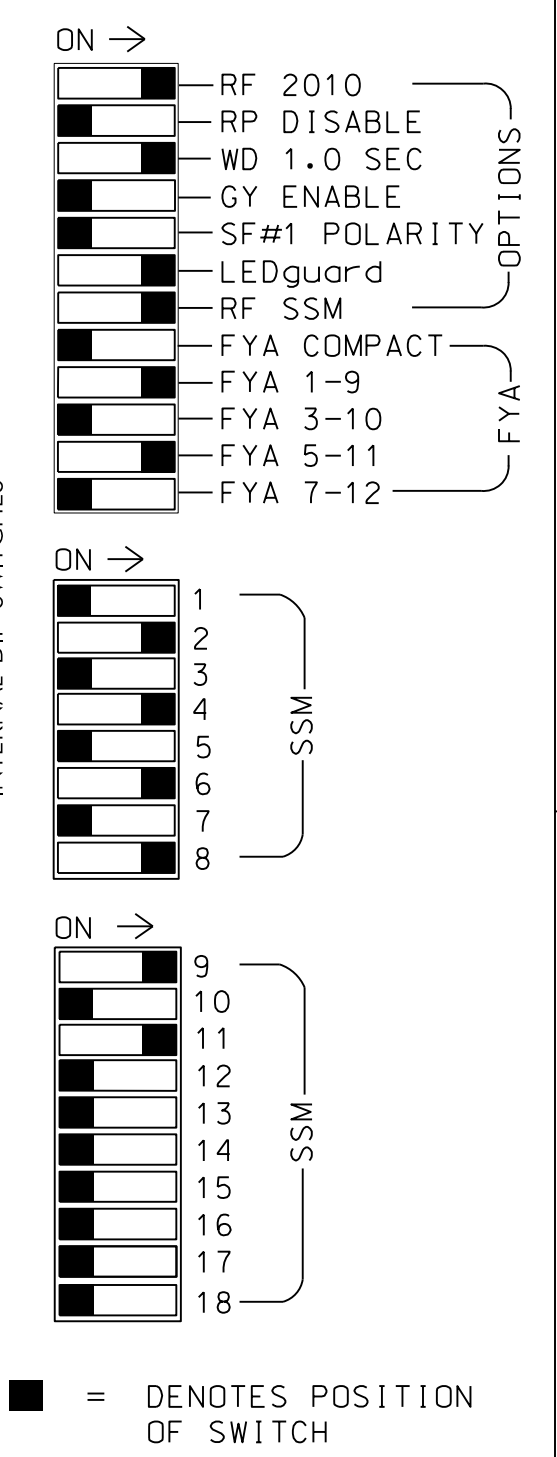
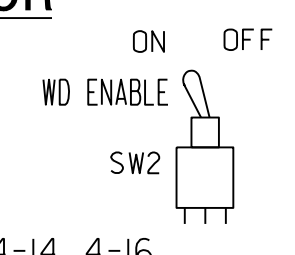
(remove jumpers and set switches as shown)



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.



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 Walk and 6 Walk.
- The cabinet and controller are part of the Fayetteville Signal System.

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.....S1,S2,S3,S5,S6,S7,S8,S9,S11,S12,
 AUX S1,AUX S4
 PHASES USED.....1,2,2PED,4,4PED,5,6,6PED,8,8PED
 OVERLAP "A".....*
 OVERLAP "B".....NOT USED
 OVERLAP "C".....*
 OVERLAP "D".....NOT USED
 * See overlap programming detail on sheet 2

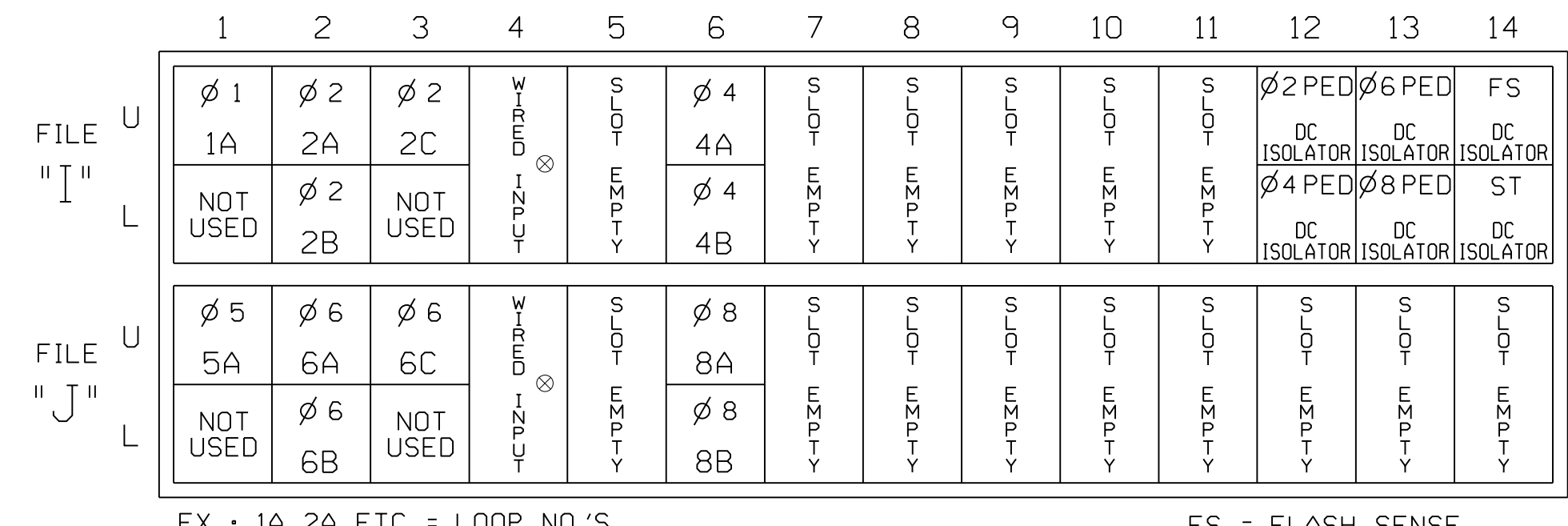
SIGNAL HEAD HOOK-UP CHART

| 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. | 11 | 21,22,23 | P21,P22 | NU | 41,42 | P41,P42 | 51 | 61,62,63 | P61,P62 | NU | 81,82 | P81,P82 | 11 | NU | NU | 51 | NU | NU |
| RED | | 128 | | | 101 | | | 134 | | | 107 | | | | | | | |
| YELLOW | * | 129 | | | 102 | | * | 135 | | | 108 | | | | | | | |
| GREEN | | 130 | | | 103 | | | 136 | | | 109 | | | | | | | |
| RED ARROW | | | | | | | | | | | | | A121 | | | | A114 | |
| YELLOW ARROW | | | | | | | | | | | | | A122 | | | | A115 | |
| FLASHING YELLOW ARROW | | | | | | | | | | | | | A123 | | | | A116 | |
| GREEN ARROW | 127 | | | | | | | 133 | | | | | | | | | | |
| Hand icon | | | 113 | | | 104 | | | 119 | | | 110 | | | | | | |
| Person icon | | | 115 | | | 106 | | | 121 | | | 112 | | | | | | |

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

INPUT FILE POSITION LAYOUT

(front view)



EX.: 1A, 2A, ETC. = LOOP NO.'S
 FS = FLASH SENSE
 ST = STOP TIME

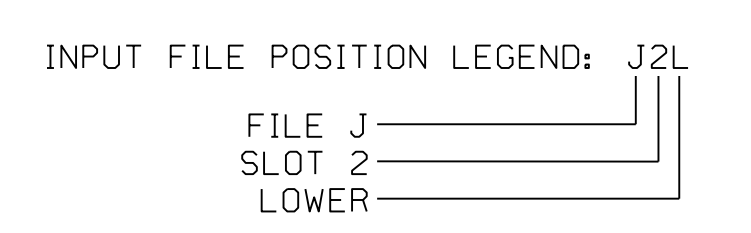
⊗ Wired Input - Do not populate slot with detector card

INPUT FILE CONNECTION & PROGRAMMING CHART

| LOOP NO. | LOOP TERMINAL | INPUT FILE POS. | PIN NO. | DETECTOR NO. | NEMA PHASE | CALL | EXTEND TIME | DELAY TIME | USE ADDED INITIAL | DETECTOR TYPE |
|-----------------|------------------|-----------------|---------|--------------|------------|------|-------------|------------|-------------------|---------------|
| 1A ¹ | TB2-1,2 | I1U | 56 | 1 ★ | 1 | YES | | 15 | | S |
| | - | J4U | 48 | 26 ★ | 6 | YES | | 3 | | G |
| 2A | TB2-5,6 | I2U | 39 | 2 | 2 | YES | | | X | N |
| | TB2-7,8 | I2L | 43 | 12 | 2 | YES | | | X | N |
| 2C | TB2-9,10 | I3U | 63 | 32 | 2 | YES | | | X | N |
| | TB4-9,10 | I6U | 41 | 4 | 4 | YES | | 3 | | S |
| 4B | TB4-11,12 | I6L | 45 | 14 | 4 | YES | | 10 | | S |
| | TB3-1,2 | J1U | 55 | 5 ★ | 5 | YES | | 15 | | S |
| 6A | TB3-5,6 | J2U | 40 | 6 | 6 | YES | | | X | N |
| | TB3-7,8 | J2L | 44 | 16 | 6 | YES | | | X | N |
| 6C | TB3-9,10 | J3U | 64 | 36 | 6 | YES | | | X | N |
| | TB5-9,10 | J6U | 42 | 8 | 8 | YES | | 3 | | S |
| 8B | TB5-11,12 | J6L | 46 | 18 | 8 | YES | | 10 | | S |
| | PED PUSH BUTTONS | | | | | | | | | |
| P21,P22 | TB8-4,6 | I12U | 67 | PED 2 | 2 | PED | | | | |
| P41,P42 | TB8-5,6 | I12L | 69 | PED 4 | 4 | PED | | | | |
| P61,P62 | TB8-7,9 | I13U | 68 | PED 6 | 6 | PED | | | | |
| P81,P82 | TB8-8,9 | I13L | 70 | PED 8 | 8 | PED | | | | |

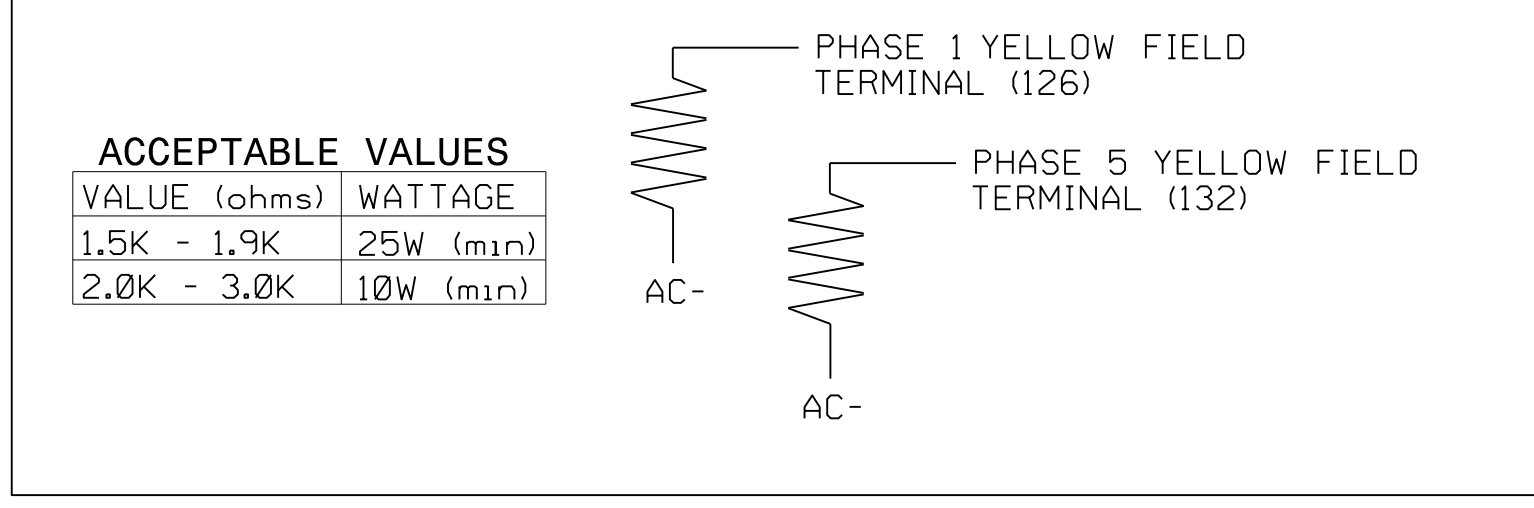
NOTE:
 INSTALL DC ISOLATORS IN INPUT FILE SLOTS 112 AND 113.

- Add jumper from I1-W to J4-W, on rear of input file.
 - Add jumper from J1-W to I4-W, on rear of input file.
- * See vehicle detector setup programming detail for alternate phasing on sheet 3.



LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)



| VALUE (ohms) | WATTAGE |
|--------------|-----------|
| 1.5K - 1.9K | 25W (min) |
| 2.0K - 3.0K | 10W (min) |

Final Design
 Electrical Detail - Sheet 1 of 3

Electrical and Programming Details for: US 401 Business (Raeford Road) at Brighton Road/ Fred Anderson Nissan

Division 6 Cumberland County Fayetteville

PLAN DATE: March 2018 REVIEWED BY: L Overn

PREPARED BY: R M Muncy REVIEWED BY:

REVISIONS: _____ INIT. DATE

3/29/2018

INVENTORY NO. 06-0328