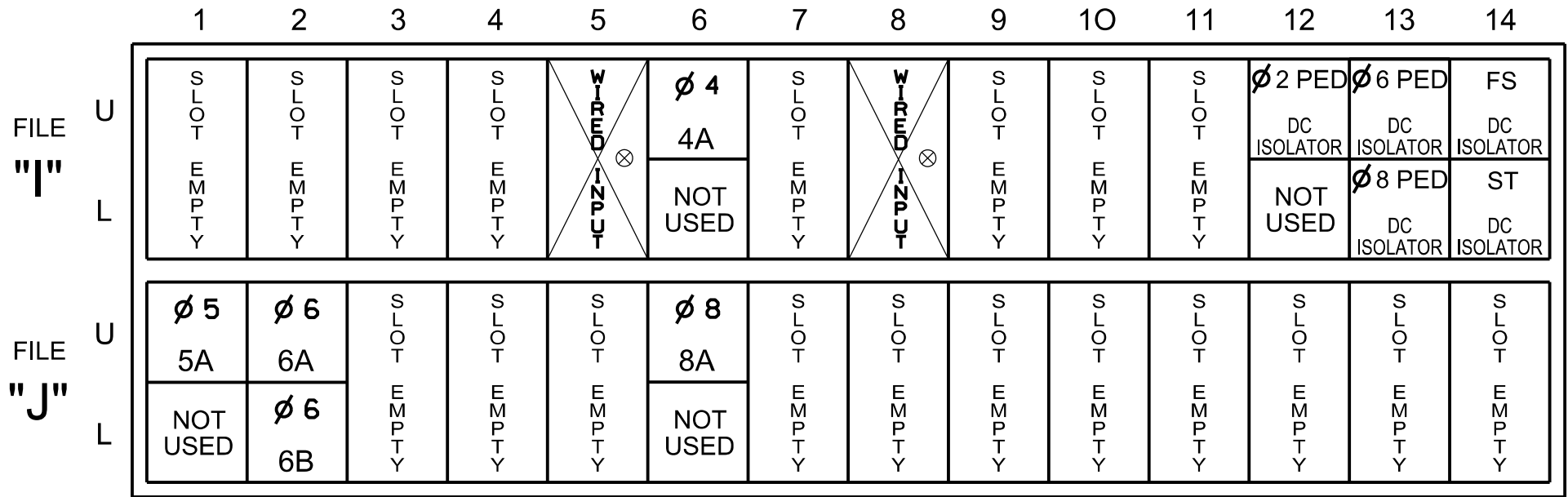


INPUT FILE POSITION LAYOUT

(front view)



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

FS = FLASH SENSE  
ST = STOP TIME

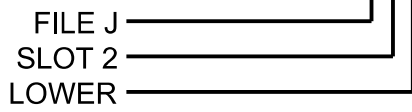
NOTE: IF PRESENT, REMOVE EXISTING JUMPERS ASSOCIATED W/ DETECTOR SLOTS I5 AND I8 FROM REAR OF INPUT FILE.

INPUT FILE CONNECTION & PROGRAMMING CHART

| LOOP NO.         | LOOP TERMINAL | INPUT FILE POS. | PIN NO. | INPUT POINT | DETECTOR NO. | CALL PHASE | DELAY TIME                                                           | EXTEND TIME | EXTEND | ADDED INITIAL | CALL | DELAY DURING GREEN |
|------------------|---------------|-----------------|---------|-------------|--------------|------------|----------------------------------------------------------------------|-------------|--------|---------------|------|--------------------|
| 2A               | -             | -               | -       | *           | 38           | 2          |                                                                      |             | X      |               | X    |                    |
| 4A               | TB4-9,10      | I6U             | 41      | 3           | 8            | 4          | 10.0                                                                 |             | X      |               | X    |                    |
| 5A               | TB3-1,2       | J1U             | 55      | 17          | 15           | 5          | 15.0                                                                 |             | X      |               | X    |                    |
|                  |               |                 |         | -           | 31           | 2          |                                                                      |             | X      |               | X    |                    |
| 6A               | TB3-5,6       | J2U             | 40      | 2           | 16           | 6          |                                                                      |             | X      |               | X    |                    |
| 6B               | TB3-7,8       | J2L             | 44      | 6           | 17           | 6          |                                                                      |             | X      |               | X    |                    |
| 8A               | TB5-9,10      | J6U             | 42      | 4           | 22           | 8          | 10.0                                                                 |             | X      |               | X    |                    |
| PED PUSH BUTTONS |               |                 |         |             |              |            | NOTE:<br>INSTALL DC ISOLATORS<br>IN INPUT FILE SLOTS<br>I12 AND I13. |             |        |               |      |                    |
| P21,P22          | TB8-4,6       | I12U            | 67      | 33          | 2            | PED 2      |                                                                      |             |        |               |      |                    |
| P61,P62          | TB8-7,9       | I13U            | 68      | 34          | 6            | PED 6      |                                                                      |             |        |               |      |                    |
| P81,P82          | TB8-8,9       | I13L            | 70      | 36          | 8            | PED 8      |                                                                      |             |        |               |      |                    |

\*For Input Point numbers, see SDLC Non-Intrusive Detection Chart detail on this sheet.

INPUT FILE POSITION LEGEND: J2L



OVERLAP PROGRAMMING DETAIL

Front Panel

Main Menu >Controller >Overlap >Overlap Parameters/Overlap Timings

Web Interface

Home >Controller >Overlap Configuration >Overlaps

Overlap Plan 1

| Overlap           | 1   | 2   | 3               | 4   |
|-------------------|-----|-----|-----------------|-----|
| Type              | Off | Off | FYA 4 - Section | Off |
| Included Phases   | -   | -   | 6               | -   |
| Modifier Phases   | -   | -   | 5               | -   |
| Modifier Overlaps | -   | -   | -               | -   |
| Trail Green       | 0   | 0   | 0               | 0   |
| Trail Yellow      | 0.0 | 0.0 | 0.0             | 0.0 |
| Trail Red         | 0.0 | 0.0 | 0.0             | 0.0 |

SPECIAL DETECTION IO MODULE PROGRAMMING

The Enhanced Out of Pavement Detection requires adjustments to the IO Modules in use. Follow the programming instructions below to ensure desired operation.

Front Panel

Main Menu >Controller >More >Advanced IO >IO Modules

Web Interface

Home >Controller >Advanced IO >Cabinet Configuration >IO Modules

| IO Module | Type         | Fault Response |
|-----------|--------------|----------------|
| 1         | Caltrans 332 | Default        |
| 2         | TS2 DR3 BIU  | Default        |
| 3         | TS2 MMU      | Default        |

Advanced Cabinet Options

☒ Disable TS2 Cabinet Alarms

SPECIAL DETECTOR NOTE

For Zone 2A, install a multizone microwave 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.

SDLC NON-INTRUSIVE DETECTION CHART

| DETECTOR RACK #3 |               |               |
|------------------|---------------|---------------|
| Input Point      | Det # (Index) | Detector Zone |
| 1                | 33            | NU            |
| 2                | 34            | NU            |
| 3                | 35            | NU            |
| 4                | 36            | NU            |
| 5                | 37            | NU            |
| 6                | 38            | 2A            |
| 7                | 39            | NU            |
| 8                | 40            | NU            |
| 9                | 41            | NU            |
| 10               | 42            | NU            |
| 11               | 43            | NU            |
| 12               | 44            | NU            |
| 13               | 45            | NU            |
| 14               | 46            | NU            |
| 15               | 47            | NU            |
| 16               | 48            | NU            |

NU = Not Used

THIS PLAN SUPERSEDES THE PLAN SIGNED AND SEALED ON 02/09/2024.

**AECOM**  
NC Firm License No.: F-0342  
5438 Wade Park Boulevard  
Suite 200, Raleigh, NC 27607  
Phone: 919-461-1100

OUTPUT CHANNEL CONFIGURATION

Front Panel

Main Menu >Controller >More>Channels>Channels Config

Web Interface

Home >Controller >Advanced IO>Channels>Channel Configuration

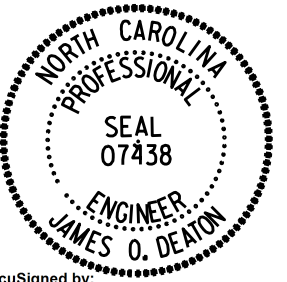
Channel Configuration

| Channel | Control Type  | Control Source | Flash Yellow | Flash Red | Flash Alt | MMU Channel |
|---------|---------------|----------------|--------------|-----------|-----------|-------------|
| 1       | Phase Vehicle | 1              |              | X         | X         | 1           |
| 2       | Phase Vehicle | 2              |              | X         |           | 2           |
| 3       | Phase Vehicle | 3              |              | X         | X         | 3           |
| 4       | Phase Vehicle | 4              |              | X         |           | 4           |
| 5       | Phase Vehicle | 5              |              | X         |           | 5           |
| 6       | Phase Vehicle | 6              |              | X         | X         | 6           |
| 7       | Phase Vehicle | 7              |              | X         |           | 7           |
| 8       | Phase Vehicle | 8              |              | X         | X         | 8           |
| 9       | Overlap       | 1              |              | X         | X         | 9           |
| 10      | Overlap       | 2              |              | X         | X         | 10          |
| 11      | Overlap       | 3              |              | X         |           | 11          |
| 12      | Overlap       | 4              |              | X         |           | 12          |
| 13      | Phase Ped     | 2              |              |           |           | 13          |
| 14      | Phase Ped     | 4              |              |           |           | 14          |
| 15      | Phase Ped     | 6              |              |           |           | 15          |
| 16      | Phase Ped     | 8              |              |           |           | 16          |
| 17      | Overlap       | 5              |              | X         | X         | 17          |
| 18      | Overlap       | 6              |              | X         |           | 18          |

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-0218  
DESIGNED: May 2026  
SEALED: 08/07/2026  
REVISED: N/A

Final (Phase III Step 3)

Electrical Detail - Sheet 2 of 2

|                                                                                       |                                                                        |                                                                                       |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Electrical and Programming Details For:                                               | US 19-23 Business / SR 3548 (Haywood Road) at I-26 WB / I-240 EB Ramps | DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED                         |
| Prepared for the Offices of:                                                          | Division 13 Buncombe County Asheville                                  | SEAL                                                                                  |
|  | PLAN DATE: May 2026 REVIEWED BY: J O Deaton                            |  |
|                                                                                       | PREPARED BY: M W Yalch REVIEWED BY:                                    | DocuSigned by: James O. Deaton 8/10/2026                                              |
|                                                                                       | REVISIONS                                                              | INIT. DATE                                                                            |
|                                                                                       |                                                                        |                                                                                       |
| 750 N. Greenfield Pkwy, Garner, NC 27529                                              |                                                                        | SIG. INVENTORY NO. 13-0218                                                            |