

21-AUG-2025 16:03  
D:\c\jones\jones01\HDP\_LIS\_East\_01\Documents\NCDOT\_Moistern\_D1\_v\_Dn-Coi\_L\_M\NCDOT\_L6170\_R5600\_NC170\_US23BUS\6\_0\_CAD\_BIM\6\_2\_Work\_Ln\_Progress\R-5600\_NCDOT\_File\_Structure\TrafficSignalManagement\14-1022\141022T1\_sm.dgn  
K Jones AT CHA-K JONES

MAXTIME 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               | 7      | 8      | 9      |
|-----------------|-----------------|-----------------|-----------------|--------|--------|--------|
| Type            | FYA 4 - Section | FYA 4 - Section | FYA 4 - Section | Normal | Normal | Normal |
| Included Phases | 6               | -               | 4               | 4      | 1,3    | 5      |
| Modifier Phases | 4               | 1,3             | 5               | -      | -      | -      |
| Trail Green     | 0               | 0               | 0               | 0      | 0      | 0      |
| Trail Yellow    | 0.0             | 0.0             | 0.0             | 0.0    | 0.0    | 0.0    |
| Trail Red       | 0.0             | 0.0             | 0.0             | 0.0    | 0.0    | 0.0    |
| FYA Ped Delay   | 0.0             | 0.0             | 7.0             | 0.0    | 0.0    | 0.0    |

FLASHER CIRCUIT MODIFICATION DETAIL

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

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

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

MAXTIME STARTUP AND SOFTWARE FLASH PROGRAMMING DETAIL

Front Panel  
Main Menu>Controller>Unit

Web Interface  
Home>Controller>Unit

Start Up Parameters

|                        |
|------------------------|
| Startup Clearance Hold |
| 6                      |

Unit Flash Parameters

|                         |
|-------------------------|
| All Red Flash Exit Time |
| 6                       |

OUTPUT CHANNEL CONFIGURATION

Front Panel  
Main Menu >Controller >More>Channels>Channels Config

Web Interface  
Home >Controller >Advanced IO>Channels>Channels Configuration

Channel Configuration

|                                                  | Channel | Control Type  | Control Source | Flash Yellow | Flash Red | Flash Alt | MMU Channel |
|--------------------------------------------------|---------|---------------|----------------|--------------|-----------|-----------|-------------|
| NOTICE OVERLAP 7<br>ASSIGNED TO CHANNEL 1        | 1       | Overlap       | 7              |              | X         | X         | 1           |
| NOTICE OVERLAP 8<br>ASSIGNED TO CHANNEL 3        | 2       | Phase Vehicle | 2              |              | X         |           | 2           |
|                                                  | 3       | Overlap       | 8              |              | X         | X         | 3           |
| NOTICE OVERLAP 9<br>ASSIGNED TO CHANNEL 5        | 4       | Phase Vehicle | 4              |              | X         |           | 4           |
|                                                  | 5       | Overlap       | 9              |              | X         |           | 5           |
|                                                  | 6       | Phase Vehicle | 6              |              | X         | X         | 6           |
| NOTICE PHASE VEHICLE 3<br>ASSIGNED TO CHANNEL 8  | 7       | Phase Vehicle | 7              |              | X         |           | 7           |
|                                                  | 8       | Phase Vehicle | 3              |              | 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          |
| NOTICE PHASE VEHICLE 1<br>ASSIGNED TO CHANNEL 17 | 17      | Phase Vehicle | 1              |              | X         |           | 17          |
| NOTICE PHASE VEHICLE 5<br>ASSIGNED TO CHANNEL 18 | 18      | Phase Vehicle | 5              |              | X         | X         | 18          |



NOTICE FLASHING RED

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 14-1022T1  
DESIGNED: Aug 2025  
SEALED: 8/26/2025  
REVISED: N/A



Electrical Detail - Sheet 2 of 2  
Temporary Design 1 - TMP Ph1, S2, Part 1

|                                         |  |                                                                        |  |                                                               |  |
|-----------------------------------------|--|------------------------------------------------------------------------|--|---------------------------------------------------------------|--|
| ELECTRICAL AND PROGRAMMING DETAILS FOR: |  | NC 107 (E. Main St)<br>at<br>Walmart Driveway /<br>Commerical Driveway |  | DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED |  |
|                                         |  | Division 14 Jackson County Sylva                                       |  |                                                               |  |
| PLAN DATE: August 2025                  |  | REVIEWED BY: ZM Esposito                                               |  | Signed by:  8/26/2025                                         |  |
| PREPARED BY: KA Jones                   |  | REVIEWED BY: BN Groome                                                 |  | DATE                                                          |  |
| REVISIONS                               |  | INIT.                                                                  |  | DATE                                                          |  |
|                                         |  |                                                                        |  |                                                               |  |
|                                         |  |                                                                        |  |                                                               |  |
|                                         |  |                                                                        |  |                                                               |  |
|                                         |  |                                                                        |  | SIG. INVENTORY NO. 14-1022T1                                  |  |