EMERGENCY VEHICLE PREEMPTION
PROGRAMMING DETAIL

(program controller as shown below)

From Main Menu press 'A' (Preemption), then '1' (Standard Preemptions). Press 'NEXT' as needed to advance to Preempts 3, 4 and 5.

```
       PREEMPTION  #3   SETTINGS (NEXT:1-10)
     INTERVAL/TIMING │   CLEAR/DWELL PHASES
       GRN YEL  RED  │12345678910111213141516
     1 255  0.0  0.0 │ X    X
     2   0  0.0  0.0 │
     3   0  0.0  0.0 │
     4   0  0.0  0.0 │
     5   1  0.0  0.0 │ X    X
     EXIT CALLS      │
                        OPTIONS
     PRIORITY (Y/N TO SELECT) ............MED
     DELAY TIMER (0-255 SEC) .............O
     MIN GREEN BEFORE PRE (O= DEFAULT)....1
     PED CLEAR BEFORE PRE (O= DEFAULT)....11
     YELLOW CLEAR BEFORE PRE (O= DEFAULT).0.0
     RED CLEAR BEFORE PRE (O= DEFAULT)....0.0
     DWELL MIN TIMER (O-255 SEC) .........10
     DWELL MAX TIMER (O=OFF,1-255MIN) ....O
     DWELL HOLD-OVER TIMER (O-255) .......O
     LATCH CALL? .........................N
     LINK TO NEXT PREEMPT? ...............N
     ENABLE BACKUP PROTECTION? ...........N
     HOLD CLEAR 1 PHASES DURING DELAY? ...N
     FAST GREEN FLASH DWELL PHASES? ......N
     PED CLEARANCE THROUGH YELLOW? .......Y
     INHIBIT OVERLAP GREEN EXTENSION? ....N
     SERVICE DURING SOFTWARE FLASH? ......N
     REST IN RED DURING DWELL INTERVAL? ..N
     FLASH DWELL INTERVAL? ...............N
     ALLOW PEDS IN DWELL INTERVAL? .......N
     RE-TIME DWELL INTERVAL? .............N
     OVERLAPS:          │  ABCDEFGHIJKLMNOP
     DWELL INT FLASH YELLOW
     OMIT OVERLAPS:          X
```

PRESS 'NEXT'

```
       PREEMPTION  #4   SETTINGS (NEXT:1-10)
     INTERVAL/TIMING │   CLEAR/DWELL PHASES
       GRN YEL  RED  │12345678910111213141516
     1 255  0.0  0.0 │ X    X
     2   0  0.0  0.0 │
     3   0  0.0  0.0 │
     4   0  0.0  0.0 │
     5   1  0.0  0.0 │ X    X
     EXIT CALLS      │
                        OPTIONS
     PRIORITY (Y/N TO SELECT) ............MED
     DELAY TIMER (0-255 SEC) .............O
     MIN GREEN BEFORE PRE (O= DEFAULT)....1
     PED CLEAR BEFORE PRE (O= DEFAULT)....11
     YELLOW CLEAR BEFORE PRE (O= DEFAULT).0.0
     RED CLEAR BEFORE PRE (O= DEFAULT)....0.0
     DWELL MIN TIMER (O-255 SEC) .........10
     DWELL MAX TIMER (O=OFF,1-255MIN) ....O
     DWELL HOLD-OVER TIMER (O-255) .......O
     LATCH CALL? .........................N
     LINK TO NEXT PREEMPT? ...............N
     ENABLE BACKUP PROTECTION? ...........N
     HOLD CLEAR 1 PHASES DURING DELAY? ...N
     FAST GREEN FLASH DWELL PHASES? ......N
     PED CLEARANCE THROUGH YELLOW? .......Y
     INHIBIT OVERLAP GREEN EXTENSION? ....N
     SERVICE DURING SOFTWARE FLASH? ......N
     REST IN RED DURING DWELL INTERVAL? ..N
     FLASH DWELL INTERVAL? ...............N
     ALLOW PEDS IN DWELL INTERVAL? .......N
     RE-TIME DWELL INTERVAL? .............N
     OVERLAPS:          │  ABCDEFGHIJKLMNOP
     DWELL INT FLASH YELLOW
     OMIT OVERLAPS:
```

PRESS 'NEXT'

```
       PREEMPTION  #5   SETTINGS (NEXT:1-10)
     INTERVAL/TIMING │   CLEAR/DWELL PHASES
       GRN YEL  RED  │12345678910111213141516
     1 255  0.0  0.0 │ X    X
     2   0  0.0  0.0 │
     3   0  0.0  0.0 │
     4   0  0.0  0.0 │
     5   1  0.0  0.0 │ X    X
     EXIT CALLS      │
                        OPTIONS
     PRIORITY (Y/N TO SELECT) ............MED
     DELAY TIMER (0-255 SEC) .............O
     MIN GREEN BEFORE PRE (O= DEFAULT)....1
     PED CLEAR BEFORE PRE (O= DEFAULT)....11
     YELLOW CLEAR BEFORE PRE (O= DEFAULT).0.0
     RED CLEAR BEFORE PRE (O= DEFAULT)....0.0
     DWELL MIN TIMER (O-255 SEC) .........7
     DWELL MAX TIMER (O=OFF,1-255MIN) ....O
     DWELL HOLD-OVER TIMER (O-255) .......O
     LATCH CALL? .........................N
     LINK TO NEXT PREEMPT? ...............N
     ENABLE BACKUP PROTECTION? ...........N
     HOLD CLEAR 1 PHASES DURING DELAY? ...N
     FAST GREEN FLASH DWELL PHASES? ......N
     PED CLEARANCE THROUGH YELLOW? .......Y
     INHIBIT OVERLAP GREEN EXTENSION? ....N
     SERVICE DURING SOFTWARE FLASH? ......N
     REST IN RED DURING DWELL INTERVAL? ..N
     FLASH DWELL INTERVAL? ...............N
     ALLOW PEDS IN DWELL INTERVAL? .......N
     RE-TIME DWELL INTERVAL? .............N
     OVERLAPS:          │  ABCDEFGHIJKLMNOP
     DWELL INT FLASH YELLOW
     OMIT OVERLAPS:
```
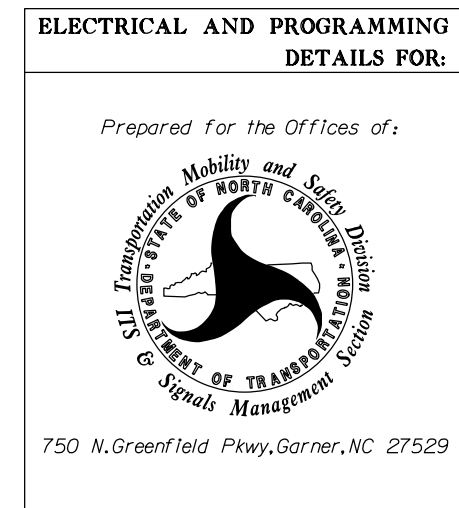
PROGRAMMING COMPLETE

Program extend time on optical detector unit for 2.0 seconds.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 12-0600
DESIGNED: March 2022
SEALED: 03/01/2022
REVISED: N/A

This plan supersedes the plan signed and sealed on 11/13/2018.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Electrical Detail-Final Design-Sheet 8 of 9

VHB Engineering NC, P.C. (C-3705)
940 Main Campus Drive, Suite 500
Raleigh, NC 27607
P: 919-829-0328

ELECTRICAL AND PROGRAMMING DETAILS FOR:	US 74 Bus. (Marion Street) at NC 150 (Cherryville Road) / SR 2053 (Peach Street)	SEAL
Prepared for the Offices of:	Division 12 Cleveland County Shelby	SEAL 033108
	PLAN DATE: March 2022	REVIEWED BY: J.L. Lewis	
	PREPARED BY: J. Ma	REVIEWED BY: M.L. Stygles	
750 N.Greenfield Pkwy,Garner,NC 27529	REVISIONS	INIT.	DATE	3/1/2022
		SIG. INVENTORY NO. 12-0600