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 TIE ALL PHASES AND OVERLAPS TO FLASHER UNIT 1.

ADVANCED WALK NOTE

(program controller as shown below)

From Main Menu press '2' (Phase Control), then '1' (Phase Control
Functions). Program phases 2 and 6 for 'Advanced Walk'. Make sure the
Advance Walk times shown on the Signal Design plan are programmed
in the 'Phase Timing' menu.

COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during
Ped Clearance Interval. Consult Ped Signal Module user's manual
for instructions on selecting this feature.

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) .............0
  MIN GREEN BEFORE PRE (0= DEFAULT)....1
  PED CLEAR BEFORE PRE (0= DEFAULT)....0
  YELLOW CLEAR BEFORE PRE (0= DEFAULT).0.0
  RED CLEAR BEFORE PRE (0= DEFAULT)....0.0
  DWELL MIN TIMER (0-255 SEC) .........12
  DWELL MAX TIMER (0=OFF,1-255MIN) ....2
  DWELL HOLD-OVER TIMER (0-255) .......0
  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) .............0
  MIN GREEN BEFORE PRE (0= DEFAULT)....1
  PED CLEAR BEFORE PRE (0= DEFAULT)....0
  YELLOW CLEAR BEFORE PRE (0= DEFAULT).0.0
  RED CLEAR BEFORE PRE (0= DEFAULT)....0.0
  DWELL MIN TIMER (0-255 SEC) .........12
  DWELL MAX TIMER (0=OFF,1-255MIN) ....2
  DWELL HOLD-OVER TIMER (0-255) .......0
  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  #5  SETTINGS (NEXT:1-10)
   INTERVAL/TIMING │   CLEAR/DWELL PHASES
    GRN YEL  RED   │12345678910111213141516
  1 255  0.0  0.0  │   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
  EXIT CALLS
                OPTIONS
  PRIORITY (Y/N TO SELECT) .............MED
  DELAY TIMER (0-255 SEC) .............0
  MIN GREEN BEFORE PRE (0= DEFAULT)....1
  PED CLEAR BEFORE PRE (0= DEFAULT)....0
  YELLOW CLEAR BEFORE PRE (0= DEFAULT).0.0
  RED CLEAR BEFORE PRE (0= DEFAULT)....0.0
  DWELL MIN TIMER (0-255 SEC) .........7
  DWELL MAX TIMER (0=OFF,1-255MIN) ....2
  DWELL HOLD-OVER TIMER (0-255) .......0
  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.

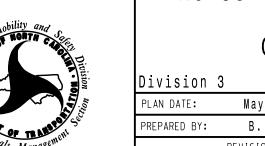Project #: 230907

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NCBELS FIRM LICENSE NO. C-2522

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 03-0896
DESIGNED: May 2025
SEALED: 7/2/2025
REVISED: N/A

Electrical Details
Final Design - Sheet 7 of 7

ELECTRICAL AND PROGRAMMING
DETAILS FOR:

NC 53 (Western Boulevard)
at
Gateway South

Division 3	Onslow County	Jacksonville
PLAN DATE: May 2025	REVIEWED BY: D. Bennett	
PREPARED BY: B. Dowell	REVIEWED BY:	

REVISIONS		INIT.	DATE

750 N.Greenfield Pkwy,Garner,NC 27529

SIG. INVENTORY NO. 03-0896