PROJECT REFERENCE NO.	SHEET NO.
B-5351	Sig. 6.6

INPUT ASSIGNMENT PROGRAMMING DETAIL TO REASSIGN LONG VEHICLE OVERSPEED DETECTION SYSTEM FUNCTION

(program controller as shown below)

This programming takes each of the Long Vehicle Overspeed Detection System inputs and reassigns a unique Hold Phase to it.

FROM MAIN MENU PRESS '5' (INPUTS), THEN '+'
UNTIL PIN 51 (INPUT 13) IS REACHED.

```
PAGE: 1 C1 PIN:51  HOLD PHASES
INPUT ASSIGNMENT #.................13
DEBOUNCE TIME (0-25.5 SEC).........0.5
DELAY TIME (0-25.5 SEC)............0.0
HOLD-OVER TIME (0-25.5 SEC)........0.0
ASSIGNMENT SELECTION:
NOT ENABLED (Y/N)..................._
VEHICLE DETECTOR (1-64)............._
PEDESTRIAN DETECTOR (1-16)........._
ALTERNATE PED DETECTOR (1-16)......._
PREEMPT (1-10)....................._
INVERTED PREEMPT (1-10)............_
STOP TIME (Y/N)...................._
FLASH SENSE (Y/N)................._
DOOR OPEN (Y/N)...................._
MANUAL CONTROL ENABLE (Y/N)........._
MANUAL CONTROL ADVANCE (Y/N)......._
SPECIAL FUNCTION ALARM (1-8)......._
TOD HOUR SYCHRONIZATION (0-23)....._
FORCE OFF RING (1-4)..............._
HOLD PHASES (1-16)................2
PLAN (65=FLSH,66=FREE)..._  OFFSET#.._
CHANGE PHASE SEQUENCE PAGE (1-12)..._
CHANGE PHASE TIMING PAGE (1-4)....._
CHANGE PHASE CONTROL PAGE (1-4)...._
CHANGE OVERLAP CONTROL PAGE (1-4)..._
CHANGE INPUT PAGE (1-4)............_
CHANGE OUTPUT PAGE (1-4)..........._
OVERRIDE PHASE CONTROL FUNCTION (Y)._
```

PRESS '+'

```
PAGE: 1 C1 PIN:52  HOLD PHASES
INPUT ASSIGNMENT #.................14
DEBOUNCE TIME (0-25.5 SEC).........0.5
DELAY TIME (0-25.5 SEC)............0.0
HOLD-OVER TIME (0-25.5 SEC)........0.0
ASSIGNMENT SELECTION:
NOT ENABLED (Y/N)..................._
VEHICLE DETECTOR (1-64)............._
PEDESTRIAN DETECTOR (1-16)........._
ALTERNATE PED DETECTOR (1-16)......._
PREEMPT (1-10)....................._
INVERTED PREEMPT (1-10)............_
STOP TIME (Y/N)...................._
FLASH SENSE (Y/N)................._
DOOR OPEN (Y/N)...................._
MANUAL CONTROL ENABLE (Y/N)........._
MANUAL CONTROL ADVANCE (Y/N)......._
SPECIAL FUNCTION ALARM (1-8)......._
TOD HOUR SYCHRONIZATION (0-23)....._
FORCE OFF RING (1-4)..............._
HOLD PHASES (1-16)................6
PLAN (65=FLSH,66=FREE)..._  OFFSET#.._
CHANGE PHASE SEQUENCE PAGE (1-12)..._
CHANGE PHASE TIMING PAGE (1-4)....._
CHANGE PHASE CONTROL PAGE (1-4)...._
CHANGE OVERLAP CONTROL PAGE (1-4)..._
CHANGE INPUT PAGE (1-4)............_
CHANGE OUTPUT PAGE (1-4)..........._
OVERRIDE PHASE CONTROL FUNCTION (Y)._
```

PRESS '+' OR '-' TO
REACH INPUT 64

```
PAGE: 1 C1 PIN:0  PREEMPT
INPUT ASSIGNMENT #.................64
DEBOUNCE TIME (0-25.5 SEC).........0.5
DELAY TIME (0-25.5 SEC)............0.0
HOLD-OVER TIME (0-25.5 SEC)........0.0
ASSIGNMENT SELECTION:
NOT ENABLED (Y/N)..................._
VEHICLE DETECTOR (1-64)............._
PEDESTRIAN DETECTOR (1-16)........._
ALTERNATE PED DETECTOR (1-16)......._
PREEMPT (1-10)....................7
INVERTED PREEMPT (1-10)............_
STOP TIME (Y/N)...................._
FLASH SENSE (Y/N)................._
DOOR OPEN (Y/N)...................._
MANUAL CONTROL ENABLE (Y/N)........._
MANUAL CONTROL ADVANCE (Y/N)......._
SPECIAL FUNCTION ALARM (1-8)......._
TOD HOUR SYCHRONIZATION (0-23)....._
FORCE OFF RING (1-4)..............._
HOLD PHASES (1-16)................_
PLAN (65=FLSH,66=FREE)..._  OFFSET#.._
CHANGE PHASE SEQUENCE PAGE (1-12)..._
CHANGE PHASE TIMING PAGE (1-4)....._
CHANGE PHASE CONTROL PAGE (1-4)...._
CHANGE OVERLAP CONTROL PAGE (1-4)..._
CHANGE INPUT PAGE (1-4)............_
CHANGE OUTPUT PAGE (1-4)..........._
OVERRIDE PHASE CONTROL FUNCTION (Y)._
```

Notice
Preempt 7

PROGRAMMING COMPLETE

INPUT 13 IS THE
OUTPUT FROM LVODS #1

INPUT 14 IS THE
OUTPUT FROM LVODS #2

PREEMPT 7 PROGRAMMING DETAIL

(program controller as shown below)

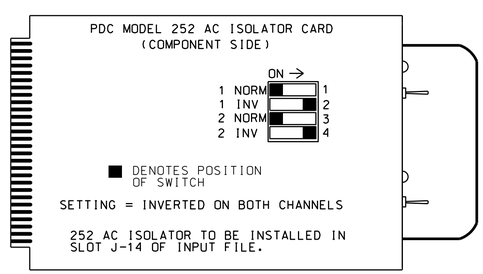
THIS PREEMPT GOES ACTIVE IF EITHER LVODS HAS BEEN
ACTIVE FOR MORE THAN 4 CONSECUTIVE MINUTES AND
WILL PUT THE INTERSECTION IN FLASH.

FROM MAIN MENU PRESS 'A' (PREEMPTION), THEN '1' (STANDARD
PREEMPTIONS). PRESS 'NEXT' UNTIL PREEMPTION #7 IS REACHED.

```
   PREEMPTION  #7  SETTINGS (NEXT:1-10)
INTERVAL/TIMING ¦  CLEAR/DWELL PHASES
  GRN YEL  RED  ¦123456789101112131415 16
1  15  0.0  0.0 ¦   X   X
2  10  0.0  0.0 ¦X   X
3 255  0.0  0.0 ¦ X   X
4   0  0.0  0.0 ¦
5   1  0.0  0.0 ¦ X   X
EXIT CALLS      ¦
              OPTIONS
PRIORITY (Y/N TO SELECT) ............HIGH
DELAY TIMER (0-255 SEC) .............0.0
MIN GREEN BEFORE PRE (0= DEFAULT)....14
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) .........14
DWELL MAX TIMER (0=OFF,1-255MIN) ....0
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? .......N
INHIBIT OVERLAP GREEN EXTENSION? ....N
SERVICE DURING SOFTWARE FLASH? ......N
REST IN RED DURING DWELL INTERVAL? ..N
FLASH DWELL INTERVAL? ...............Y
ALLOW PEDS IN DWELL INTERVAL? .......N
RE-TIME DWELL INTERVAL? .............Y
OVERLAPS:                ¦ ABCDEFGHIJKLMNOP
DWELL INT FLASH YELLOW   ¦ X X
OMIT OVERLAPS:           ¦
```

HOLD PHASE AC ISOLATOR (MODEL 252) OUTPUT PROGRAMMING DETAIL

(set DIP switches as shown below)



NOTE: IF ANOTHER MANUFACTURER TYPE OF AC ISOLATOR IS USED, OUTPUT PROGRAMMING IS LIKELY NOT TO EQUATE TO THAT SHOWN ABOVE.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 07-1191
DESIGNED: January 2018
SEALED: 2/7/2018
REVISED: N/A

Electrical Detail - Final Design - Sheet 6 of 8

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR:

I-85 Bus. / US 29-70
at
SR 1144 (River Road)

Division 7 Guilford County Jamestown

PLAN DATE: February 2018 REVIEWED BY:
PREPARED BY: S. Armstrong REVIEWED BY:

REVISIONS	INIT.	DATE

Prepared in the Offices of:
Mobility and Safety Division
Traffic Engineering & Signal Management Section
NC Department of Transportation
750 N.Greenfield Pkwy,Garner,NC 27529

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036880 ENGINEER KEITH M. MIMS

DocuSigned by:
Keith M. Mims 2/8/2018
2FB079BEBCD34A5 DATE

SIG. INVENTORY NO. 07-1191

08-FEB-2018 14:30
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sarmstrong