PROJECT REFERENCE NO.	SHEET NO.
46915	Sig. 2.4

INPUT PAGE 2 ASSIGNMENT PROGRAMMING DETAIL FOR ALTERNATE PHASING - LOOP 7A

(program controller as shown below)

NOTES: 1. THIS PROGRAMMING APPLIES FOR INPUT PAGE 2 ONLY. INPUT PAGE 1 WILL USE STANDARD DEFAULT SETTINGS. THIS PROGRAMMING IS NECESSARY FOR PROPER DETECTOR OPERATION DURING ALTERNATE PHASING OPERATION.

2. THE FIRST TASK THIS PROGRAMMING ACCOMPLISHES IS THE DISABLING OF INPUT #11 (DETECTOR 24) SO THAT A VEHICLE CALL WILL NOT BE PLACED TO PHASE 4 DURING ALTERNATE PHASING OPERATION. THE SECOND TASK THIS PROGRAMMING ACCOMPLISHES IS THAT IT REASSIGNS DETECTOR 57 TO INPUT #19 SO THAT THE DELAY ON LOOP 7A CAN BE REDUCED FROM 15 SECONDS TO 0 SECONDS.

FROM MAIN MENU PRESS '5' (INPUTS), THEN PRESS 'NEXT' TO GET TO INPUT PAGE '2'. PRESS THE '+' KEY UNTIL INPUT 11 IS REACHED.

```
PAGE: 2 C1 PIN:49  VEHICLE DETECTOR
INPUT ASSIGNMENT #.................11
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)...................Y
VEHICLE DETECTOR (1-64)............24
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)
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)
```

ENTER A 'Y' FOR NOT ENABLED

DEFAULT DETECTOR NUMBER WILL REMAIN UNTIL 'NOT ENABLED' IS ENTERED.

(LOOP 7A - PHASE 4)

```
PAGE: 2 C1 PIN:49  NOT ENABLED
INPUT ASSIGNMENT #.................11
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)...................Y
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)
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 '+' TO ADVANCE TO INPUT 19

```
PAGE: 2 C1 PIN:57  VEHICLE DETECTOR
INPUT ASSIGNMENT #.................19
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)............7
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)
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)
```

ENTER '57' TO REASSIGN THE VEHICLE DETECTOR FOR THIS INPUT

(LOOP 7A - PHASE 7)

```
PAGE: 2 C1 PIN:57  VEHICLE DETECTOR
INPUT ASSIGNMENT #.................19
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)............57
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)
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)
```

PROGRAMMING COMPLETE

SPECIAL DETECTOR PROGRAMMING DETAIL - LOOP 7A (ALT.)

(program controller as shown below)

FROM MAIN MENU PRESS '7' (DETECTORS), THEN PRESS '1' FOR VEHICLE DETECTORS. PRESS THE '-' KEY TO GET TO VEHICLE DETECTOR #57.

```
VEHICLE DETECTOR #57  SETTINGS (+-,1-64)
SETTING:                          (Y/N)
ENABLE DETECTOR....................N
ENABLE LOGGING.....................N
ENABLE DIAGNOSTICS.................N
SPEED TRAP.........................N
CALL DETECTOR......................Y
EXTENSION DETECTOR.................Y
MODE 2 STOP BAR....................N
SWITCHING DETECTOR.................N
DUPLICATING DETECTOR...............N
ENABLE FULL TIME DELAY.............N
IF FAILED, SET MIN RECALL?.........N
IF FAILED, SET MAX1 RECALL?........N
IF FAILED, SET MAX2 RECALL?........N
PHASE#          ¦12345678910111213141516
PHASES ASSIGNED ¦
SWITCH/DUPLICATE¦
LOOP SIZE (0-255 FT)...............6
SPEED TRAP DISTANCE (0-255 FT)......0
STOP BAR TIME (0-255 SEC)...........0
STRETCH (0-25.5 SEC)................0.0
DELAY (0-255 SEC)...................0
MAX CALLS/MIN (0-255)..............255
MIN CALLS/DIAGNOSTIC PERIOD (0-255).0
MAX OCCUPANCY (0-100%).............100
EXTENSION DISABLE TIME (0-255 SEC)..0
QUEUE MAX OCCUPANCY TIME (0-255)....0
QUEUE GAP RESET TIME (0-25.5).......0.0
PREEMPTION INDEX FOR QUEUE (0-10)...0
```

ENTER 'Y' FOR ENABLE DETECTOR

ENTER '7' FOR PHASES ASSIGNED

ENSURE DELAY IS '0'

```
VEHICLE DETECTOR #57  SETTINGS (+-,1-64)
SETTING:                          (Y/N)
ENABLE DETECTOR....................Y
ENABLE LOGGING.....................N
ENABLE DIAGNOSTICS.................N
SPEED TRAP.........................N
CALL DETECTOR......................Y
EXTENSION DETECTOR.................Y
MODE 2 STOP BAR....................N
SWITCHING DETECTOR.................N
DUPLICATING DETECTOR...............N
ENABLE FULL TIME DELAY.............N
IF FAILED, SET MIN RECALL?.........N
IF FAILED, SET MAX1 RECALL?........N
IF FAILED, SET MAX2 RECALL?........N
PHASE#          ¦12345678910111213141516
PHASES ASSIGNED ¦      X
SWITCH/DUPLICATE¦
LOOP SIZE (0-255 FT)...............6
SPEED TRAP DISTANCE (0-255 FT)......0
STOP BAR TIME (0-255 SEC)...........0
STRETCH (0-25.5 SEC)................0.0
DELAY (0-255 SEC)...................0
MAX CALLS/MIN (0-255)..............255
MIN CALLS/DIAGNOSTIC PERIOD (0-255).0
MAX OCCUPANCY (0-100%).............100
EXTENSION DISABLE TIME (0-255 SEC)..0
QUEUE MAX OCCUPANCY TIME (0-255)....0
QUEUE GAP RESET TIME (0-25.5).......0.0
PREEMPTION INDEX FOR QUEUE (0-10)...0
```

DETECTOR PROGRAMMING COMPLETE

NOTE: DETECTOR IS PROGRAMMED PER THE INPUT FILE CONNECTION AND PROGRAMMING CHART SHOWN ON SHEET 1.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 08-0015
DESIGNED: September 2017
SEALED: 9/18/2017
REVISED:

Electrical Detail - Sheet 4 of 5

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared in the Offices of:

Traffic Engineering Mobility and Safety Division, Signal Management Section, Bureau of Transportation Operations

750 N.Greenfield Pkwy,Garner,NC 27529

US 15-401-501 Bypass
at
SR 1108 (West Boulevard)

Division 8 | Scotland County | Laurinburg

PLAN DATE: September 2017 | REVIEWED BY: T. Joyce

PREPARED BY: C. Strickland | REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 031001 ENGINEER D. TODD JOYCE

DocuSigned by: D. Todd Joyce A60CADFD8D4241D... 9/20/2017 DATE

SIG. INVENTORY NO. 08-0015

19-SEP-2017 13:55
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