LOAD SWITCH MAPPING DETAIL FOR S1, S7, S12 AND AUX S3

1. From Main Menu select **4 - UNIT DATA**
2. From UNIT DATA Submenu select **9 - OUTPUT MAPPING**

USE ENTER AND NEXT KEYS TO MAP 'LDSW 1' AS 'OLG'

```
OUTPUT MAPPING              EDIT MODE: LDSW
                             E-TOGGLE MODE
LDSW ..1.. ..2.. ..3.. ..4.. ..5.. ..6..
RED  [OLG]  PH2   PD2   PH3   PH4   PD4
YEL   -     -     -     -     -     -
GRN   -     -     -     -     -     -
FIO   1     2     3     4     5     6
PREV/NEXT TO CYCLE        D-DISPLAY COMPAT
```

USE ENTER AND NEXT KEYS TO MAP 'LDSW 7' AS OLH AND TO MAP 'LDSW 12' AS 'PD3'

```
OUTPUT MAPPING              EDIT MODE: LDSW
                             E-TOGGLE MODE
LDSW ..7.. ..8.. ..9.. .10.. .11.. .12..
RED  [OLH]  PH6   PD6   PH7   PH8  [PD3]
YEL   -     -     -     -     -     -
GRN   -     -     -     -     -     -
FIO   7     8     9     10    11    12
PREV/NEXT TO CYCLE        D-DISPLAY COMPAT
```

USE ENTER AND NEXT KEYS TO MAP 'LDSW 15' AS 'OLE' AND 'LDSW' 18 AS 'OLF'

```
OUTPUT MAPPING              EDIT MODE: LDSW
                             E-TOGGLE MODE
LDSW .13.. .14.. .15.. .16.. .17.. .18..
RED  OLA    OLB  [OLE]  OLC   OLD  [OLF]
YEL   -     -     -     -     -     -
GRN   -     -     -     -     -     -
FIO  13    14    15    16    17    18
PREV/NEXT TO CYCLE        D-DISPLAY COMPAT
```

LOAD SWITCH MAPPING COMPLETE

ACCESSIBLE PEDESTRIAN SIGNAL (APS) INSTALLATION NOTES

1. Install push buttons and APS equipment per manufacturer's instructions.
2. Provide a dedicated cable to each push button per manufacturer's instructions.
3. If APS equipment is mounted in cabinet, use filtered power (i.e., Controller Receptacle) to power APS equipment. Do not use Equipment Receptacle, which is a GFCI outlet.
4. Never attempt to operate a standard contact closure push button with the APS system unless cabinet is re-wired for standard button operation or unless explicitly allowed by the manufacturer.
5. Place manufacturer's instructions in cabinet with cabinet prints, signal plans, and electrical details.

INIT & N.A. RESP PROGRAMMING DETAIL

(program controller as shown below)

From Main Menu, press '3' (Phase Data)

```
PHASE MENU

 1-VEHICLE DATA        6-SPEC. SEQUENCE+
 2-DENSITY TIMES+      7-DETECTOR DATA
 3-PEDEST. DATA        9.PHASE & BANK COPY
[4-INIT & NA RESP+]    9-SELECT PHASE BANK
 5-N. LOCK & MISC +

'+'  DENOTES BANKABLE DATA
```

```
PHASE......1...2...3...4...5...6...7...8...9
 INITIAL   1   6   1   1   1   6   0   0   0
 NA RESP   0   1   0   2   0   1   0   0   0

CODES.......0....1....2....3....4....5....6
 INITIAL   NONE INACT RED  YEL  GRN  DRK  G/DW
 NA RESP   NONE  NA1  NA2 BOTH  ---  ---
A-UP B-DN C-LT D-RT E-ENTER F-PRIOR MENU
```

INIT & N.A. RESP programming complete.

* CODE 6 (G/DW) ALLOWS PHASE 2 TO START IN GREEN AND SKIP THE PED PHASE. PHASE 6 INCLUDED FOR TIMING PURPOSES.

BLANKOUT SIGN WIRING DETAIL

OLE-G (A113) — [NO TURN ON RED] — AC-

Sign A

BLANKOUT SIGN 'A' INDICATION						
Phase	1+5	1+6	2+5	2+6	3	4
Default Phasing	OFF	OFF	OFF	OFF	OFF	OFF
Alternate Phasing	ON	OFF	ON	OFF	ON	ON

IMPORTANT! Remove, tape and label conflict monitor wires from OLE-G (A113) and OLE-Y (A112).

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 05-2036
DESIGNED: January 2023
SEALED: 01-03-23
REVISED: N/A

Electrical Detail - Final Design (TMP Phase III & Final)
Sheet 3 of 4

ELECTRICAL AND PROGRAMMING DETAILS FOR:

SR 2000 (Falls of Neuse Rd.) at I-540 WB Ramps and Falls Valley Drive

Division 5 Wake County Raleigh

PLAN DATE: January 2023 REVIEWED BY:
PREPARED BY: James Peterson REVIEWED BY:

REVISIONS	INIT.	DATE

Prepared in the Offices of: ITS & Signals Management Section, Transportation Mobility and Safety Division, State of North Carolina Department of Transportation
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 031001 D. TODD JOYCE

DocuSigned by: D. Todd Joyce A90CADEDBD4241D
01/11/2023
DATE

SIG. INVENTORY NO. 05-2036

11-JAN-2023 13:46
S:*ITS&SU*ITS Signals*Workgroups*Sig Man*Peterson*052036_sm_ele_20220307.dgn
jtpeterson