

(program controller as shown below)

- PREEMPT 3 -

PREEMPTS		
1-PREEMPT 1	5-PREEMPT 5	9-PREEMPT 9
2-PREEMPT 2	6-PREEMPT 6	A-PREEMPT 10
3-PREEMPT 3	7-PREEMPT 7	B-PREEMPT 11
4-PREEMPT 4	8-PREEMPT 8	C-PREEMPT 12
O-OVERRIDES		D-DEFAULT DATA

PREEMPT 3	
1-MISCELLANEOUS	4-PEDEST. STATUS
2-INTERVAL TIMES	5-OVERLAP STATUS
3-VEHICLE STATUS	

```
PREEMPT 3 MISC DATA TEST: 0
DET: 250 DELAY: 0 MXCAL:120 DB/10: 0
NLOCK: 0 EXTND: 0 L OUT: 0 SRMOD: 0
LINK#: 0 DURAT: 0 GATE: 0 R2C : 0
PHASE...1.2.3.4.5.6.7.8.9.0.1.2.3.4.5.6
EXIT 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0
CALLS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
```

```
select F - return to Preempt 3 menu
select 2 - Interval Times
```

```

PREEMPT 3 INTERVAL TIMES
MIN GRN: 1 MIN WLK: 1 DWL GRN: 7
EXT PED: 0

--SELECT-- ---TRACK--- ---RETURN--
GREEN: 0
PED CLR: 26 PED CLR: 0 PED CLR: 0
YEL/10: 0 YEL/10: 0 YEL/10: 0
RED/10: 0 RED/10: 0 RED/10: 0

```

```
select F - return to Preempt 3 menu
select 3 - Vehicle Status
```

[illegible]

```
select F - return to Preempt 3 menu
select 5 - Overlap Status
```

```

PREEMPT 3 OVERLAP STATUS
PHASE...A.B.C.D.E.F.G.H.I.J.K.L.M.N.O.P
TRK GRN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
DWELL 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0
CYCLE 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
(O-R,1-G,2-FR,3-FY,4-DK,5-FG IO-NO,1-ACT)
TRAIL 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

```

select F - return to Preempt Data menu

NOTE: Option 4 is not used. Be sure values are set at default=0.

- PREEMPT 4 -

PREEMPTS		
1- <u>PREEMPT</u> 1	5- <u>PREEMPT</u> 5	9- <u>PREEMPT</u> 9
2- <u>PREEMPT</u> 2	6- <u>PREEMPT</u> 6	A- <u>PREEMPT</u> 10
3- <u>PREEMPT</u> 3	7- <u>PREEMPT</u> 7	B- <u>PREEMPT</u> 11
4- <u>PREEMPT</u> 4	8- <u>PREEMPT</u> 8	C- <u>PREEMPT</u> 12
O-OVERRIDES		D-DEFAULT DATA

```

PREEMPT 4
1-MISCELLANEOUS
2-INTERVAL TIMES
3-VEHICLE STATUS
4-PEDEST. STATUS
5-OVERLAP STATUS

```

```

PREEMPT 4 MISC DATA TEST: 0
DET: 251 DELAY: 0 MXCAL:120 DB/10: 0
NLOCK: 0 EXTND: 0 L OUT: 0 SRMOD: 0
LINK#: 0 DURAT: 0 GATE: 0 R2C: 0

PHASE....1.2.3.4.5.6.7.8.9.0.1.2.3.4.5.6
EXIT 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0
CALLS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

```

```
select F - return to Preempt 4 menu
select 2 - Interval Times
```

```

PREEMPT 4 INTERVAL TIMES
MIN GRN: 1 MIN WLK: 1 DWL GRN: 10
EXT PED: 0
--SELECT--- ---TRACK--- ---RETURN--
GREEN: 0
PED CLR: 12 PED CLR: 0 PED CLR: 0
YEL/10 : 0 YEL/10 : 0 YEL/10 : 0
RED/10 : 0 RED/10 : 0 RED/10 : 0

```

```
select F - return to Preempt 4 menu
select 3 - Vehicle Status
```

[illegible]

```
select F - return to Preempt 4 menu
select 5 - Overlap Status
```

```

PREEMPT 4 OVERLAP STATUS
PHASE...A.B.C.D.E.F.G.H.I.J.K.L.M.N.O.P
TRK GRN  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
DWELL    0 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0
CYCLE     0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
( O-R, 1-G, 2-FR, 3-FY, 4-DK, 5-FG IO-NO, 1-ACT )
TRAIL     0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

```

select F - return to Preempt Data menu

NOTE: Option 4 is not used. Be sure values are set at default=0.

- PREEMPT 5 -

PREEMPTS		
1- <u>PREEMPT</u> 1	<u>5-<u>PREEMPT</u> 5</u>	9- <u>PREEMPT</u> 9
2- <u>PREEMPT</u> 2	6- <u>PREEMPT</u> 6	A- <u>PREEMPT</u> 10
3- <u>PREEMPT</u> 3	7- <u>PREEMPT</u> 7	B- <u>PREEMPT</u> 11
4- <u>PREEMPT</u> 4	8- <u>PREEMPT</u> 8	C- <u>PREEMPT</u> 12
O-OVERRIDES D-DEFAULT DATA		

```

PREEMPT 5
1-MISCELLANEOUS
2-INTERVAL TIMES
3-VEHICLE STATUS
4-PEDEST. STATUS
5-OVERLAP STATUS

```

```

PREEMPT 5 MISC DATA                                TEST: 0
DET: 252  DELAY: 0  MXCAL:120  DB/10: 0
NLOCK: 0  EXTND: 0  L OUT: 0  SRMOD: 0
LINK#: 0  DURAT: 0  GATE: 0  R2C: 0

PHASE....1.2.3.4.5.6.7.8.9.0.1.2.3.4.5.6
EXIT      0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0
CALLS     0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

```

```
select F - return to Preempt 5 menu
select 2 - Interval Times
```

```

PREEMPT 5 INTERVAL TIMES
MIN GRN: 1 MIN WLK: 1 DWL GRN: 10
EXT PED: 0
--SELECT-- ---TRACK--- ---RETURN--
GREEN : 0
PED CLR: 8 PED CLR: 0 PED CLR: 0
YEL/10 : 0 YEL/10 : 0 YEL/10 : 0
RED/10 : 0 RED/10 : 0 RED/10 : 0

```

```
select F - return to Preempt 5 menu
select 3 - Vehicle Status
```

[illegible]

NOTE: Options 4 & 5 are not used.
Be sure values are set at default=0.

end of programming

1. Provide a dedicated pair of wires from the cabinet to each push button.
2. Mount Fail-Safe Interconnect Terminal Board on right rear side of cabinet (above service panel).
3. Wire push buttons and Central Control Unit (CCU) per APS Installation Manual Instructions.
4. Use Controller Receptacle to power CCU. Do Not use Equipment Receptacle which is a GCFI outlet.
5. Never attempt to operate a standard contact closure push button with the APS system unless cabinet is re-wired for standard button operation.
6. An APS push button station that is designed to work without the need for interfacing with a pedestrian signal head shall be installed for applications where a push button is installed in a median without a pedestrian signal head.
7. A push button with a single tactile arrow that points in both directions of travel shall be installed if the median separates two parallel crosswalks.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 12-0954
DESIGNED: October 2023
SEALED: 09/06/2024
REVISED: N/A

Signal Upgrade-
Electrical Detail - Sheet 3 of 3

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

ELECTRICAL AND PROGRAMMING DETAILS FOR:	NC 127 SE at SR 1692 (1st Ave SE)	SEAL 												
Prepared for: 	Division 12 Catawba County Hickory													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">PLAN DATE:</td> <td style="width: 33%;">January 2024</td> <td style="width: 33%;">REVIEWED BY:</td> <td style="width: 33%;">N.K. Vlanich</td> </tr> <tr> <td>PREPARED BY:</td> <td>E.E. Tiller</td> <td>REVIEWED BY:</td> <td>N.R. Simmons</td> </tr> </table>			PLAN DATE:	January 2024	REVIEWED BY:	N.K. Vlanich	PREPARED BY:	E.E. Tiller	REVIEWED BY:	N.R. Simmons				
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REVISIONS	INIT.	DATE												
750 N. Greenfield Pkwy, Corner, NC 27529		Notarized by: <u>Natasha R. Simmons</u> 9/6/2024 My Comm. Expires: _____ My Signature: _____ Date: _____ Sig. Inventory No. 12-0954												

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