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PROJECT REFERENCE NO.	SHEET NO.
HL-0065	Sig. 2.2

PED 3 PROGRAMMING DETAIL

Front Panel
Main Menu >Controller >Detector >Ped Det Plans

Web Interface
Home >Controller >Detector Configuration >Pedestrian Detector

Plan 1

NOTICE PHASE 3 PED ASSIGNED TO DETECTOR 8 PED

Detector	Descripton	Call Phase	Call Overlap
2		2	0
4		4	0
6		6	0
8		3	0

Front Panel
Main Menu >Controller >More>Channels>Channels Config

Web Interface
Home >Controller >Advanced IO>Channels>Channels Configuration

Channel Configuration

NOTICE OVERLAP 7

NOTICE PHASE 3 PED ASSIGNED TO CHANNEL 16

Channel	Control Type	Control Source	Flash Yellow	Flash Red	Flash Alt	MMU Channel
	Phase Vehicle	1		X	X	1
2	Phase Vehicle	2		X		2
3	Phase Vehicle	3		X	X	3
4	Phase Vehicle	4		X		4
5	Overlap	7		X		5
6	Phase Vehicle	6		X	X	6
7	Phase Vehicle	7		X		7
8	Phase Vehicle	8		X	X	8
9	Overlap	1		X	X	9
10	Overlap	2		X	X	10
11	Overlap	3		X		11
12	Overlap	4		X		12
13	Phase Ped	2				13
14	Phase Ped	4				14
15	Phase Ped	6				15
16	Phase Ped	3				16
17	Overlap	5		X	X	17
18	Overlap	6		X		18

OVERLAP PROGRAMMING

Front Panel
Main Menu >Controller >Overlap >Overlap Parameters/Overlap Timings

Web Interface
Home >Controller >Overlap Configuration >Overlaps

Overlap Plan 1

Overlap	1	3	4	7
Type	FYA 4 - Section	FYA 4 - Section	Normal	Normal
Included Phases	2	3	3,4	4
Modifier Phases	1	4	-	-
Modifier Overlaps	-	-	-	-
Trail Green	0	0	0	0
Trail Yellow	0.0	0.0	0.0	0.0
Trail Red	0.0	0.0	0.0	0.0
FYA Ped Delay	0.0	7.0	7.0	0.0

LOGIC PROCESSOR PROGRAMMING

Front Panel
Main Menu >Controller >More >User Programs >Definition

Web Interface
Home >Controller >User Programs Configuration >User Programs Definition

Program 1

Statement	Result	Index	Operation	Parameter A	Index	Parameter B	Index	Delay	Ext
1	Phase Phase Omit	4	Result=Latch(A,B)	Phase Green	3	Phase Green	6	0:0	0:0

LOGIC STATEMENT DESCRIPTION

Statement 1 Description: Omit phase 4 if phase 3 call is present.

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 TIES ALL PHASES AND OVERLAPS TO FLASHER UNIT 1.

MAXTIME STARTUP AND SOFTWARE FLASH PROGRAMMING DETAIL

Front Panel
Main Menu >Controller >Unit

Web Interface
Home >Controller >Unit

Modify parameters as shown below and save changes.

Start Up Parameters

StartUp Clearance Hold
6

Unit Flash Parameters

All Red Flash Exit Time
6

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 13-1351
DESIGNED: FEBRUARY 2026
SEALED: 05/12/2026
REVISED:

HNTB
HNTB NORTH CAROLINA, P.C.
4000 Center at North Hills St
Suite 500
Raleigh, North Carolina 27609
NC License No: C-1554
(919) 546-8997

PREEMPTION PROGRAMMING

Front Panel
Main Menu >Controller >Preemption >Preempt Phasing/Preempt Parameters

Web Interface
Home >Controller >Preempt Configuration >Preempts

Preempt Configuration

Preempt	3	5
Enabled	Enabled	Enabled
Type	Emergency Veh	Emergency Veh
Track Phases	-	-
Track Overlaps	-	-
Dwell Phases	1,6	4
Dwell Overlaps	1	3,4,7
Cycling Phases	-	-
Cycling Overlaps	-	-
Exit Phases	2,6	2,6
Exit Overlaps	1	1
Delay	*	*
Max Presence	120	120
Call Ext Time	2.0	2.0
Max Pres Act	Terminate	Terminate
Enter Min Green	1	1
Enter Walk	0	0
Enter Ped Clear	255	255
Enter Yellow Change	25.5	25.5
Enter Red Clear	25.5	25.5
Track Green	0	0
Track Yellow Change	25.5	25.5
Track Red Clear	25.5	25.5
Dwell Green	*	*
Exit Min Green	255	255
Exit Yellow Change	25.5	25.5
Exit Red Clear	25.5	25.5
Dwell Ext Time	2.0	2.0
Exit Type	Exit Phases	Exit Phases
Non Locking Memory	X	X
Not Ovrd Flash	X	X
Not Ovrd Nxt Pre	X	X
Require All Red Entry	-	-
Track Clear Ovrd	X	X
Ped Clear During Yellow	X	X
Entry Omit OLTG	-	-
Track Clear Reserve	-	-

* Times to be determined by Division Traffic Engineer

New Installation
Electrical Detail - Sheet 2 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR:

SR 1218/NC 108 (Washington St)
at
NC 108 (Maple St)

Division 13 Rutherford County Rutherfordton

PLAN DATE:	February 2026	REVIEWED BY:	N. K. Vlanich
PREPARED BY:	E.E. Tiller	REVIEWED BY:	N. R. Simmons

REVISIONS	INIT.	DATE

Prepared for the Offices of:
Mobility and Safety Division
Traffic Engineering & Signals Management Section
750 N. Greenfield Pkwy, Garner, NC 27529

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 031464 ENGINEER NATASHA R. SIMMONS

DocuSigned by: Natasha R. Simmons 5/12/2026
SIGNATURE DATE
SIG. INVENTORY NO. 13-1351