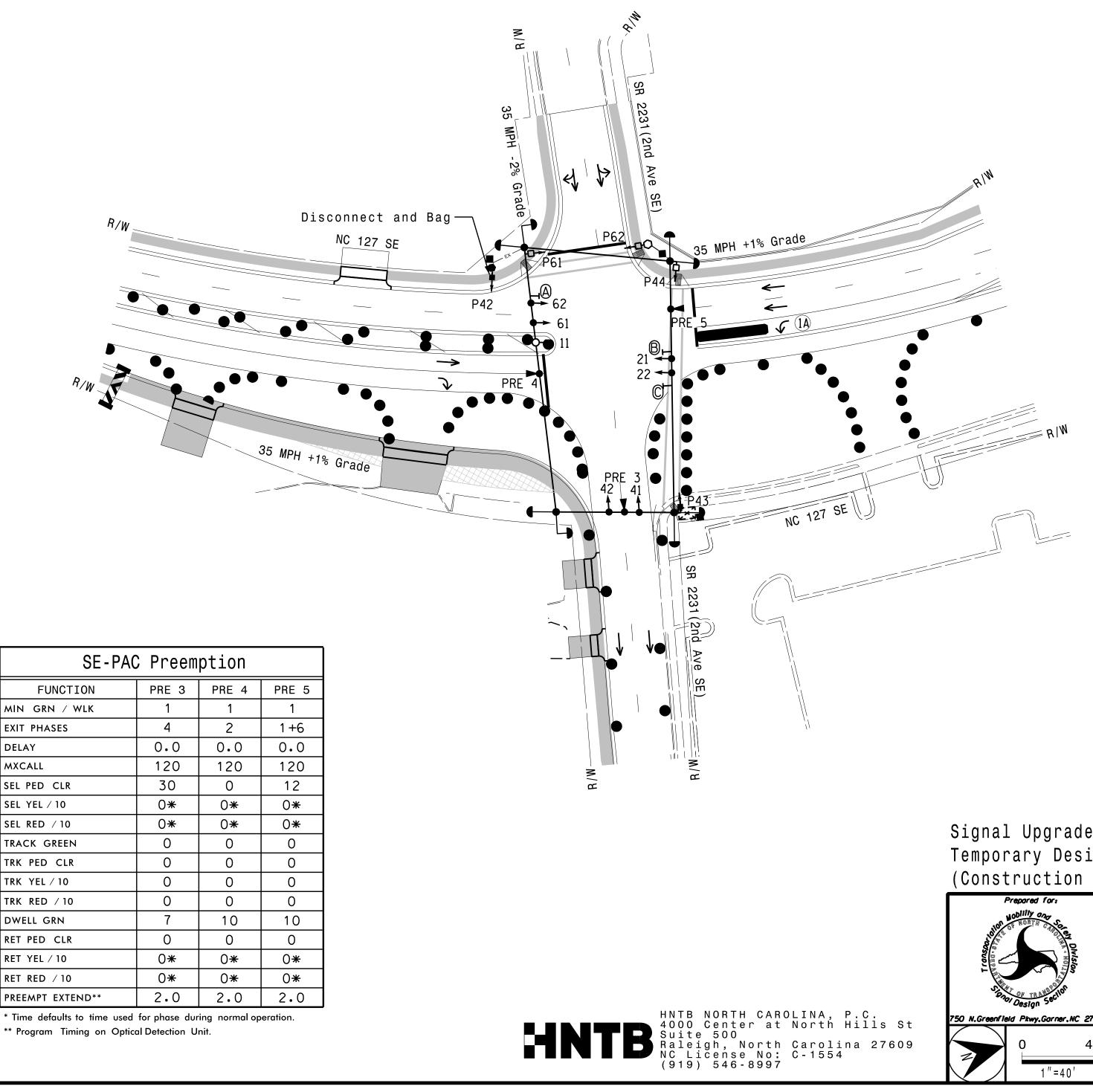


* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

SE
FUNCTION
MIN GRN / WLK
EXIT PHASES
DELAY
MXCALL
SEL PED CLR
SEL YEL / 10
SEL RED / 10
TRACK GREEN
TRK PED CLR
TRK YEL/10
TRK RED / 10
DWELL GRN
RET PED CLR
RET YEL / 10
RET RED / 10
PREEMPT EXTEND*
* Time defaults to tir

SE-PAC 2070 LOOP & DETECTOR UNIT INSTALLATION CHART																				
DETECTOR PROGRAMMING																				
INDUCTIVE LOOPS								OPERATION MODE							PS	STA	TUS			
						읖 TIA		TIMING		1	2	3	4	4 5 6 7		т	LOOPS			
ZONE	SIZE (ft)	TURNS	DIST. FROM STOP LINE (ft)	NEW	EXISTING	ASSIGNED PHASE	DELAY	EXTEND (STRETCH)	VEHICLE	PEDESTRIAN	1 CALL	STOP A	STOP B	PROT/PER LEFT	PROT/PER THROUGH	AND	SWITCH	SYSTEM L	NEW	EXISTING
1A *	6X40	*	0	*	I	1	15 SEC.	– SEC.	X	-	-	I	-	-	Ι	-	I	-	*	-
Multizone Microwave Detection																				

TABLE OF OPERATION									
PHASE									
SIGNAL FACE	1 + 6	2 + 6	4	P R E	P R E	P R E	FLASH		
				3	4	5	Н		
11	ł	_ _ F	╉	≺R	≺R	┥	≺R		
21	R	1	R	R	1	R	R		
22	R	G	R	R	G	R	R		
41,42	R	R	G	G	R	R	R		
61	G	G	R	R	R	G	R		
62	1	1	R	R	R	1	R		
P43,P44	DW	DW	W	DW	DW	DW	DRK		
P61,P62	W	W	DW	DW	DW	DW	DRK		



PROJECT REFERENCE NO.	SHEET NO
U-5777	Sig. 4.0

	3 Phase with EVP
	Semi-Actuated
	Hickory City Signal System
	NOTES
1.	Refer to "Roadway Standard Drawings
	NCDOT" dated January 2024 and
	"Standard Specifications for Roads
	and Structures" dated January 2024.
2.	Do not program signal for late night
	flashing operation unless otherwise
	directed by the Engineer.
3.	Phase 1 may be lagged.
4.	Reposition existing signal heads
	numbered 22, and 62, signs $(\mathbf{B}, \mathbf{B}, \mathbf{A}, \mathbf{B})$
_	© and PRE 4 and 5.
5.	Disconnect and bag existing
c	pedestrian head numbered P42.
6.	Set all detector units to presence mode.
7.	Program pedestrian heads to
. •	countdown the flashing "Don't
	Walk" time only.
8.	This intersection features an
-	optical preemption system. Shown
	locations of optical detectors are
	conceptual only.
9.	This intersection uses multi-zone
	microwave detection. Install
	detectors according to the
	manufacturer's instructions to
4.0	achieve the desired detection.
10.	5
	are for free-run operation only. Coordinated signal system timing
	values supersede these values.
11.	Hickory Signal System Data:
	Controller Asset #0316.
	LEGEND
	PROPOSED EXISTING
•	
	O→ Traffic Signal Head ●→ ●→ Modified Signal Head N/A
	→ Sign →
	Pedestrian Signal Head
	✓ With Push Button & Sign ↓
	○) Signal Pole with Guy ●●
	Signal Pole with Sidewalk Guy
	Non-Intrusive Detection Zone
	Out of Povement Detector
	Controller & Cabinet
	□ Junction Box ■
-	- x-uc - 2-in Underground Conduit - uc -
	N/A Right of Way — — —

Borrier

Directional Arrow

Directional Drill

Construction Zone Drums

Construction Zone

Pavement Removal

Curb Ramp

Pedestrian Barricade

No Right Turn Sign (R3-1)

No Left Turn Sign (R3-2)

"NO TURN ON RED" Sign (R10-11)

N/A

 \rightarrow

N/A

 $\bullet \bullet \bullet$

N/A A

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N/A

Signal Upgrade -Temporary Design 3

RW

nstruction Pl			CONSIDERED FINAL IATURES COMPLETED
Prepared for:	NC 127 at SR 2231 (2nc Division 12 Catawba Cc	l Ave SE) Dunty Hickory	SEAL ORTH CAROL NORTH ESSIONALIA SEAL O31464
CENTO DESIGN SECTION		IEWED BY: N.K. Vlanich	ACINEER NO
reenfield Pkwy,Garner,NC 27529	PREPARED BY: E.E. Tiller REV REVISIONS	IEWED BY: N.R. Simmons INIT. DATE	DocuSigned by:
0 40			Natasha R. Simmons 9/6/2024

 \rightarrow

— DD —

N/A

 $\langle A \rangle$

B

 $\langle C \rangle$

VZ