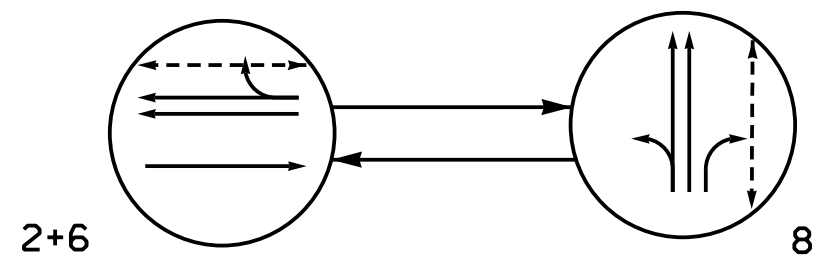






PROJECT REFERENCE NO.	SHEET NO.
U-5777	Sig. 11.0

PHASING DIAGRAM

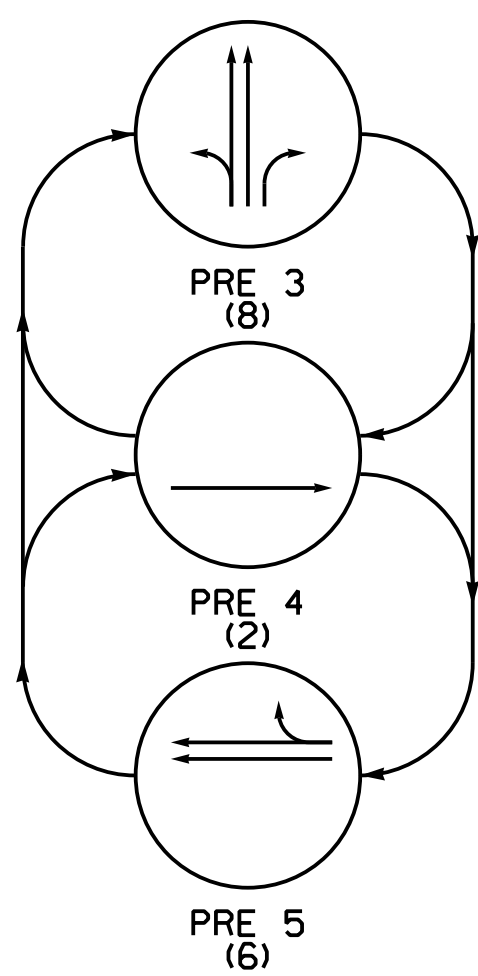


PHASING DIAGRAM DETECTION LEGEND

- | | |
|---|-------------------------------|
|  | DETECTED MOVEMENT |
|  | UNDETECTED MOVEMENT (OVERLAP) |
|  | UNSIGNALIZED MOVEMENT |
|  | PEDESTRIAN MOVEMENT |

EV PREEMPT PHASES

(Medium Priority)



SIGNAL FACE I.D.

All Heads L.E.D.

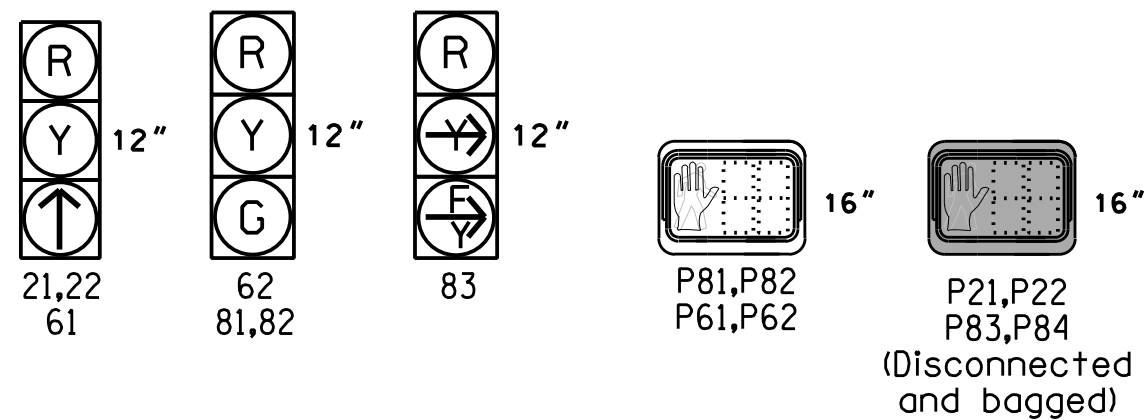
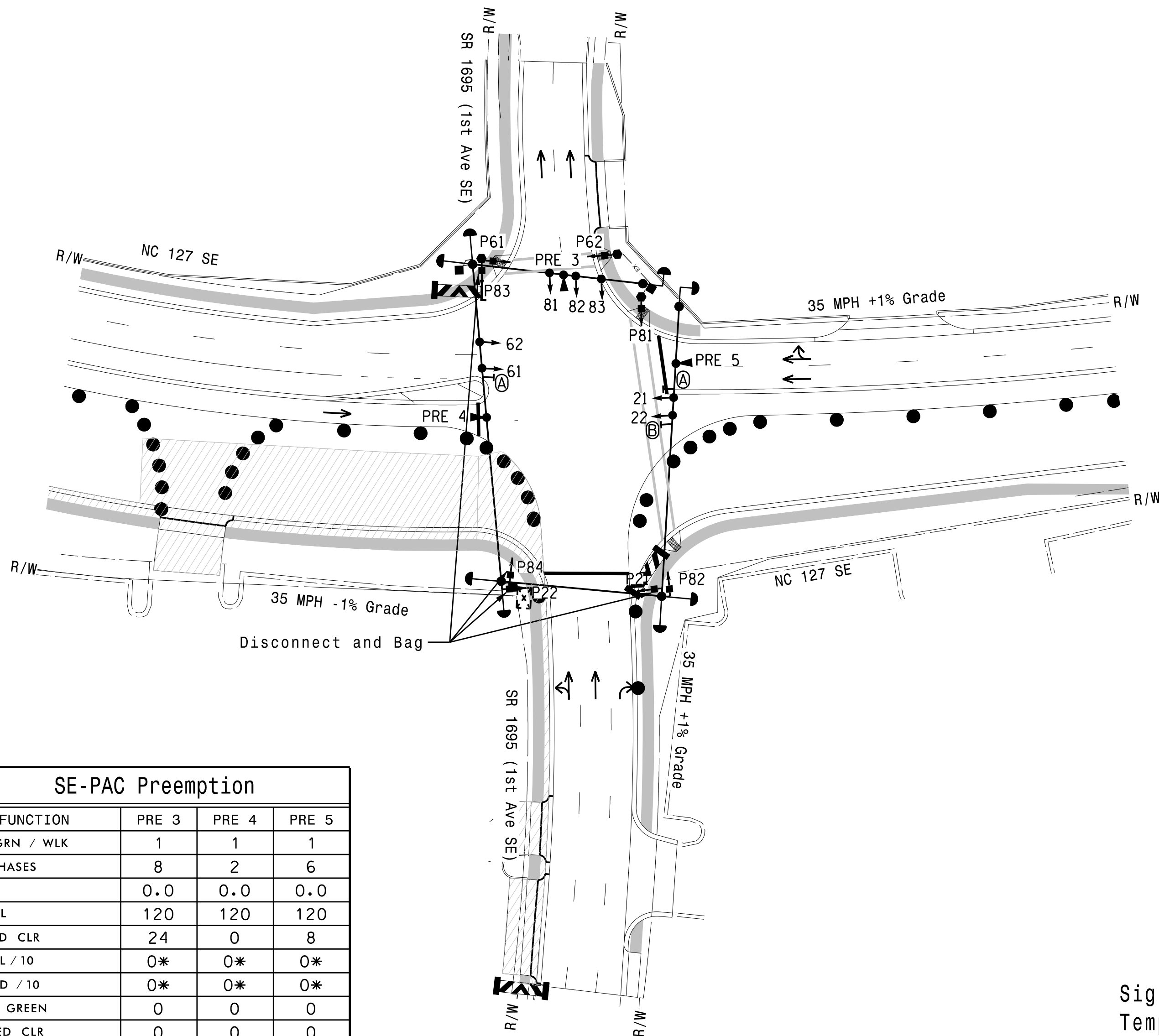


TABLE OF OPERATION						
SIGNAL FACE	PHASE					
	2 + 6	8	P R E	P R E	P R E	F L A S H
21,22	↑	R	R	↑	R	R
61	↑	R	R	R	↑	R
62	G	R	R	R	G	R
81,82	R	G	G	R	R	R
83	R	\overline{E}	\overline{E}	R	R	R
P61,P62	W	DW	DW	DW	DW	DRK
P81,P82	DW	W	DW	DW	DW	DRK



SE-PAC 2070 TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green *	10	7	10	7
Passage Gap *	-	-	-	-
Maximum Green *	40	40	40	40
Yellow Change	3.9	3.8	3.9	3.8
Red Clear	1.6	2.8	1.6	2.8
Walk *	-	-	14	14
Pedestrian Clear	-	-	9	26
Advance Walk *	-	-	7	7
Added Initial *	-	-	-	-
Maximum Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MAX RECALL	MAX RECALL	MAX/PED RECALL	MAX/PED RECALL
Vehicle Call Memory	NON-LOCK	NON-LOCK	NON-LOCK	NON-LOCK
Dual Entry	-	-	-	-
Simultaneous Gap	ON	ON	ON	ON

* 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-PAC Preemption

FUNCTION	PRE 3	PRE 4	PRE 5
MIN GRN / WLK	1	1	1
EXIT PHASES	8	2	6
DELAY	0.0	0.0	0.0
MXCALL	120	120	120
SEL PED CLR	24	0	8
SEL YEL / 10	0*	0*	0*
SEL RED / 10	0*	0*	0*
TRACK GREEN	0	0	0
TRK PED CLR	0	0	0
TRK YEL / 10	0	0	0
TRK RED / 10	0	0	0
DWELL GRN	7	10	10
RET PED CLR	0	0	0
RET YEL / 10	0*	0*	0*
RET RED / 10	0*	0*	0*
PREEMPT EXTEND**	2.0	2.0	2.0






* Time defaults to time used for phase during normal operation.
** Program Timing on Optical Detection Unit.

LEGEND

PROPOSED		EXISTING
	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	
	Out of Pavement Detector	
	Controller & Cabinet	
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
	Barrier	N/A
	Directional Arrow	
	Construction Zone Drums	
	Construction Zone	N/A
	Wedge/Widen	
N/A	Curb Ramp	
	Pedestrian Barricade	N/A
	Type II Signal Pedestal	
N/A	Curb Ramp	
	No Left Turn Sign (R3-2)	
	No Right Turn Sign (R3-1)	

Signal Upgrade -
Temporary Design 4
(Construction Phase 2, Step 2)

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

Prepared For:  TRANSPORTATION Mobility and Safety Division STATE OF NORTH CAROLINA SIGNAL DESIGN SECTION	NC 127 SE at SR 1692 (1st Ave SE)		SEAL 
	Division 12 Catawba County Hickory		
	PLAN DATE: October 2023	REVIEWED BY: N.K. Vlanich	
750 N. Greenfield Pkwy, Garner, NC 27529	PREPARED BY: E.E. Tiller	REVIEWED BY: N.R. Simmons	
	REVISIONS	INIT.	DATE
	DocuSigned by:  Natasha R. Simmons 9/6/2024 CANCELLED SIGNATURE DATE SIG. INVENTORY NO. 12-095474		