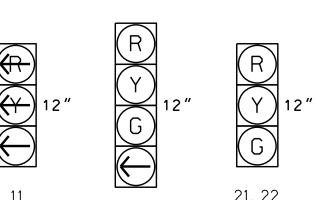




21, 22



51, 52

TABLE OF OPERATION

21, 22

41

42

51, 52

61

62

PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

≪--> PEDESTRIAN MOVEMENT

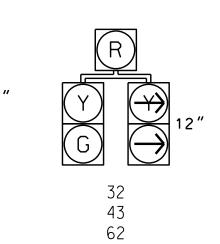
UNSIGNALIZED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

PHASE

SR 2000 (Falls of Neuse Rd.)

CIT ZUUU (Fälls of Neuse Rd.)



21 🛶

SE-	PAC	2070	L00P	8	x	DET	EC1	ΓOF	l U	NI	Γ	ΙN	ST	AL	L/	\ T:	IOI	N	CH	AF	RT	
DETECTOR PROGRAMMING																						
INDUCTIVE LOOPS						⊕ TIMING				OPERATION MODE							SPS	STA	TUS			
SIZE DIST. FROM S 9				ASSIGNED PHASE	11//(IIMING		0	l Z K	1 2 Z		3 4	8 R E	7	SWITCH	LOOPS	>	S S			
ZONE NO.	SIZE (ft)	TURNS	STOPBAR (ft)	NEW	EXISTING	ASSI PH/	DEL	.AY		END ETCH)	этогнал	PEDESTRIAN	1 CALL	STOP A	STOP	PROT/PER LEFT	PROT/PER THROUGH	AND	lws	SYSTEM	NEW	EXISTING
1A *	6X40	*	0	Χ	-	1	-	SEC.	_	SEC.	Χ	_	-	_	-	_	_	_	_	-	_	Х
1B *	6X60	*	0	Χ	-	1	15	SEC.	_	SEC.	Χ	-	-	_	-	-		_	_	_	-	Х
2A*	6X6	*	300	-	Χ	2	-	SEC.	-	SEC.	Χ	-	-	_	-	-	-	_	-	-	-	Х
2B*	6X6	*	300	-	Χ	2	-	SEC.	-	SEC.	Χ	-	-	-	-	-	-	_	-	-	-	Х
3A *	6X60	*	0	Χ	-	3	3	SEC.	_	SEC.	Χ	-	-	_	-	-	-	_	-	_	_	Х
4A*	6X40	*	0	-	Χ	4	-	SEC.	_	SEC.	Χ	-	-	-	-	-	-	-	-	-	-	Х
4B*	6X40	*	0	-	Χ	4	_	SEC.	_	SEC.	Χ	-	_	-	-	-	-	_	-	-	-	Х
5A *	6X40	*	0	-	Χ	5	-	SEC.	-	SEC.	Χ	-	-	-	-	-	-	-	-	-	-	Х
5B *	6X40	*	0	-	Χ	5	-	SEC.	-	SEC.	Χ	-	-	-	-	-	-	-	-	-	-	Х
5C*	6X40	*	0	-	Χ	5	15	SEC.	-	SEC.	Χ	-	-	-	-	-	-	-	-	-	-	X
6A*	6X6	*	300	Χ	-	6	_	SEC.	_	SEC.	Χ	-	-	-	-	-	-	-	-	-	-	Х
6B *	6X6	*	300	Χ	-	6	_	SEC.	_	SEC.	Χ	-	_	_	-	_	_	_	_	_	-	Х

45 MPH -2% Grade

SR 2000 (Falls of Neuse Rd.)

* Video detection zone.

6 Phase Fully Actuated (Raleigh Signal System)

NOTES

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- 2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Phase 1 and/or phase 5 may be lagged.
- 4. The order of phase 3 and phase 4 may be reversed.
- 5. Reposition existing signal head numbered 11.
- 6. Set all detector units to presence mode.
- 7. In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
- 8. Pavement markings are existing.
- 9. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- 10. This intersection features a video detection system. Shown locations of detectors are conceptual only. Refer to the manufacturer's guidelines for optimal detector placement.

LEGEND <u>EXISTING</u> Traffic Signal Head Pedestrian Signal Head With Push Button & Sign Signal Pole with Guy Signal Pole with Sidewalk Guy Inductive Loop Detector Controller & Cabinet Junction Box 2-in Underground Conduit Right of Way Directional Arrow Construction Zone Drums Construction Zone Out of Pavement Detector Video Detection Area Curb Ramp Combined Through and Left Arrow Sign (R3-6L) Right Arrow "ONLY" Sign (R3-5R) "U-TURN YIELD TO RIGHT TURN" Sign (R10-16)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SIG. INVENTORY NO. 05-2035T2

Signal Upgrade -	Temporary	Design	2	(TMP	Phase	II)
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Prepared in the Offices of:	cD 2000	/Ealla		√f M∧ı	ICO Dd	- /

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in the Offices of: bility and	SR 20	000 (Falls	οf	Neuse	Rd.)			
WORTH CAROL			a	t					
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NOTE:	Thorpshire Dr.								
	Division		Wake Cou			Raleigh			
OF TRAMSECTION Design Section	PLAN DATE:	July	2019	REVIEWE	D BY:				
Bhun Caroor NC 27520	PREPARED BY:	.Ι Δ	lohr	REVIEWE	D RY:				

'50 N.Greenfield Pkwy.Garner.NC 27529| PREPARED BY: J.A. LONY | REVIEWED BY:

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FEATURE

Min Green *	7	12	7	7	7	12
Passage Gap *	2.0	6.0	2.0	2.0	2.0	6.0
Maximum Green *	15	90	30	75	30	90
Dynamic Maximum	0	0	0	100	0	0
Dynamic Step	0.0	0.0	0.0	10.0	0.0	0.0
Yellow Change	3.0	4.7	3.9	3.7	3.0	4.7
Red Clear	3.4	1.5	2.2	3.0	3.3	1.8
Walk *	-	-	-	-	-	-
Pedestrian Clear	-	-	-	-	-	_
Added Initial *	-	1.5	-	-	-	1.5
Maximum Initial *	-	34	-	-	-	34
Time Before Reduction *	-	20	-	-	-	20
Time To Reduce *	-	40	-	-	-	40
Minimum Gap	-	3.0	-	-	-	3.0
Recall Mode	-	MIN RECALL	-	-	-	MIN REC
Vehicle Call Memory	NON-LOCK	LOCK	NON-LOCK	NON-LOCK	NON-LOCK	LOCK
Dual Entry	-	-	-	-	-	_
Simultaneous Gap	ON	ON	ON	ON	ON	ON

SE-PAC 2070 TIMING CHART

PHASE

PHASING DIAGRAM

02+6

02+5

01+6

* 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.