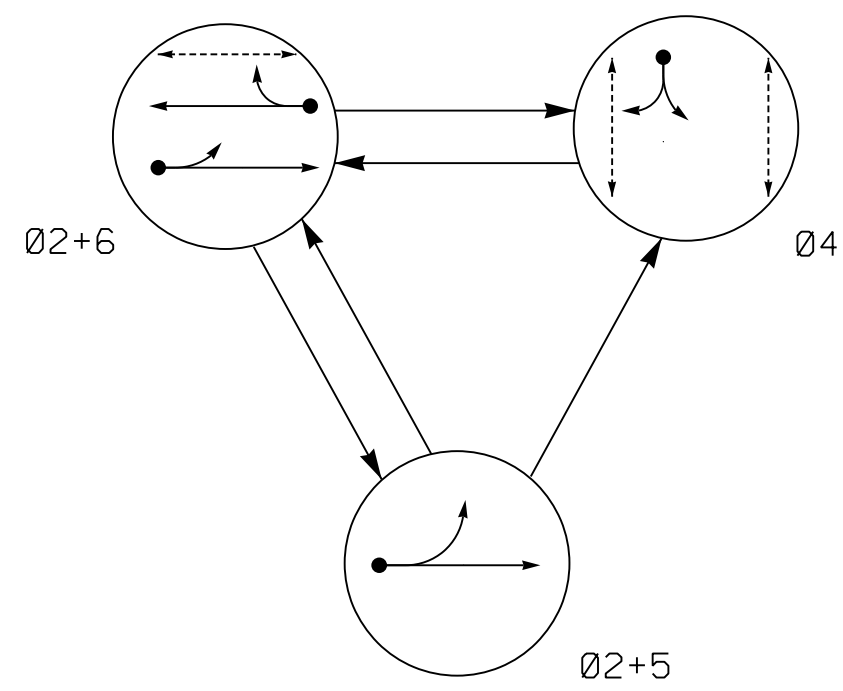


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

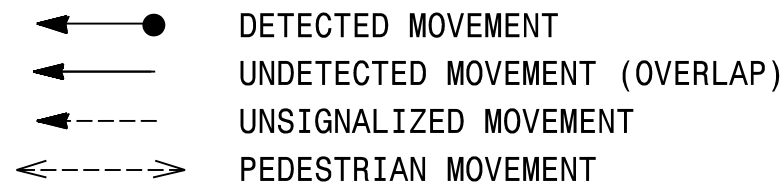


TABLE OF OPERATION

SIGNAL FACE	PHASE			
	0 2 + 5	0 2 + 6	0 4	F L A S H
21		G	R	R
22			R	R
41	R	R		R
42	R	R		R
61	R		R	R
62	R	G	R	R
P41,P42	DW	DW	W	DRK
P43,P44	DW	DW	W	DRK
P61,P62	DW	W	DW	DRK

MAXTIME DETECTOR INSTALLATION CHART

DETECTOR					PROGRAMMING							
LOOP/ ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
2A *	6X6	300	*	*	2	-	-	X	X	X	-	*
4A	6X40	0	EXISTING	-	4	3.0	-	X	-	X	-	*
5A *	6X40	0	*	*	5	15.0	-	X	-	X	-	*
					2	3.0	-	X	X	X	X	*
6A *	6X6	300	*	*	6	-	-	X	X	X	-	*

* - Video Detection Zone

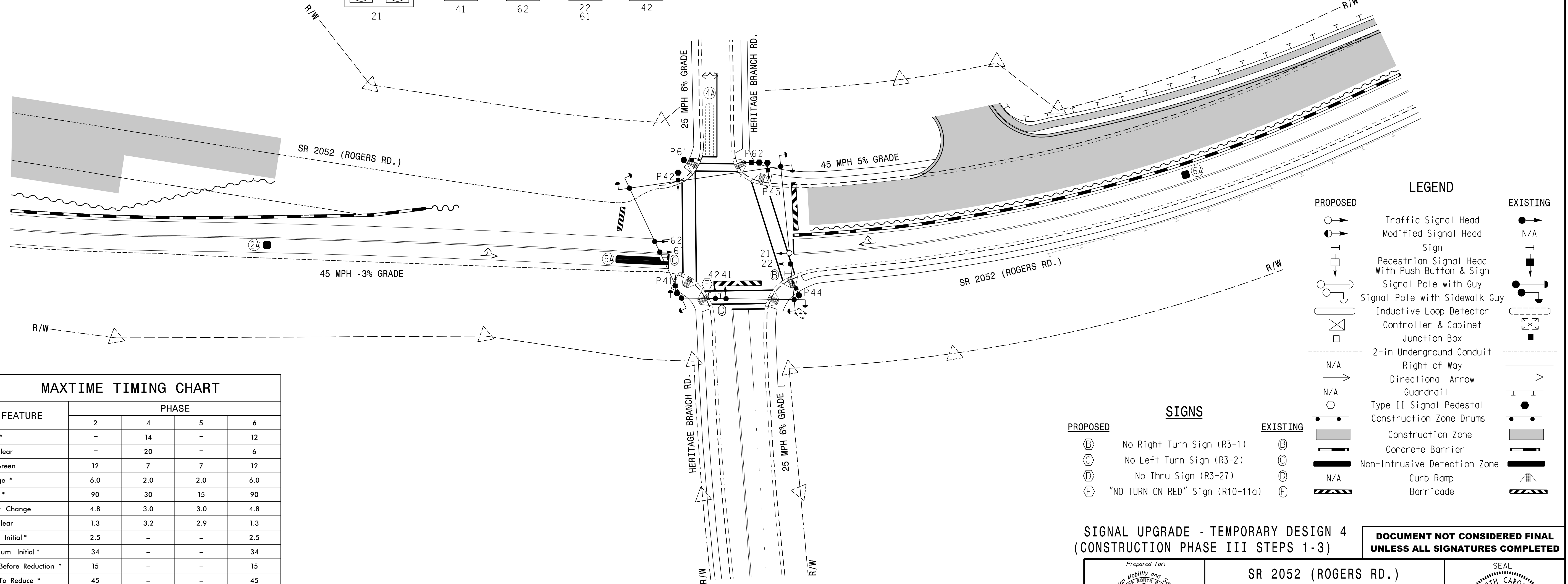
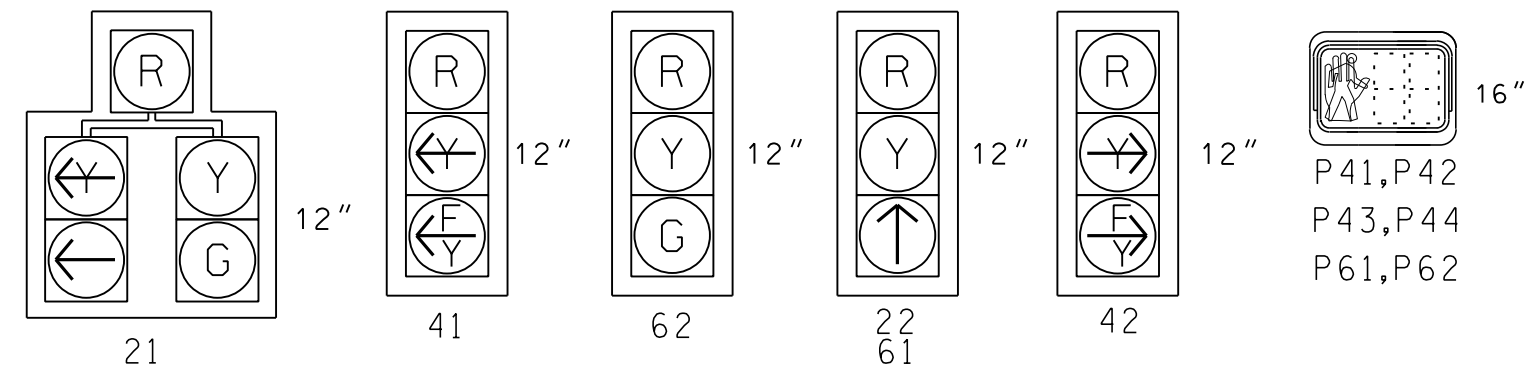
3 PHASE
FULLY ACTUATED
(ISOLATED)

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 5 MUST BE LAGGED.
4. REPOSITION EXISTING SIGNAL HEADS NUMBERED 61 AND 62.
5. REMOVE EXISTING SIGNAL HEADS 51 AND 63.
6. INSTALL BACKPLATES FOR SIGNAL HEAD NUMBERED 21.
7. EXISTING SIGNAL HEADS 22, 41, 42, 61, AND 62 HAVE BACKPLATES.
8. SET ALL DETECTOR UNITS TO PRESENCE MODE.
9. OMIT "WALK" AND FLASHING "DON'T WALK" WITH NO PEDESTRIAN CALLS.
10. PROGRAM PEDESTRIAN HEADS TO COUNTDOWN THE FLASHING "DON'T WALK" TIME ONLY.
11. THIS INTERSECTION USES VIDEO DETECTION. INSTALL DETECTORS ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS TO ACHIEVE THE DESIRED DETECTION.

SIGNAL FACE I.D.

All Heads L.E.D.



MAXTIME TIMING CHART

MAXTIME TIMING CHART				
FEATURE	PHASE			
	2	4	5	6
Walk *	–	14	–	12
Ped Clear	–	20	–	6
Min Green	12	7	7	12
Passage *	6.0	2.0	2.0	6.0
Max 1 *	90	30	15	90
Yellow Change	4.8	3.0	3.0	4.8
Red Clear	1.3	3.2	2.9	1.3
Added Initial *	2.5	–	–	2.5
Maximum Initial *	34	–	–	34
Time Before Reduction *	15	–	–	15
Time To Reduce *	45	–	–	45
Minimum Gap	3.0	–	–	3.0
Advance Walk	–	7	–	5
Non Lock Detector	–	X	X	–
Vehicle Recall	MIN RECALL	–	–	MIN RECALL
Dual Entry	–	–	–	–

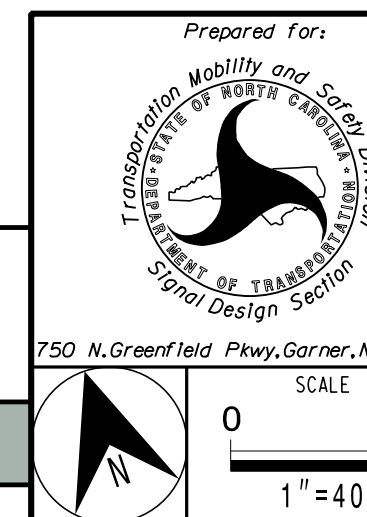
* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

SIGNS

PROPOSED		EXISTING	
(B)	No Right Turn Sign (R3-1)	(B)	Construction Zone Aways
(C)	No Left Turn Sign (R3-2)	(C)	Construction Zone
(D)	No Thru Sign (R3-27)	(D)	Concrete Barrier
(F)	"NO TURN ON RED" Sign (R10-11a)	(F)	Non-Intrusive Detection Zone
			N/A
			Curb Ramp
			Barricade

SIGNAL UPGRADE - TEMPORARY DESIGN 4
(CONSTRUCTION PHASE III STEPS 1-3)

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



750 N.Greenfield Pkwy,Garner,NC 275

SR 2052 (ROGERS RD.)
AT
HERITAGE BRANCH RD.

DIVISION 5 WAKE COUNTY WAKE FOREST

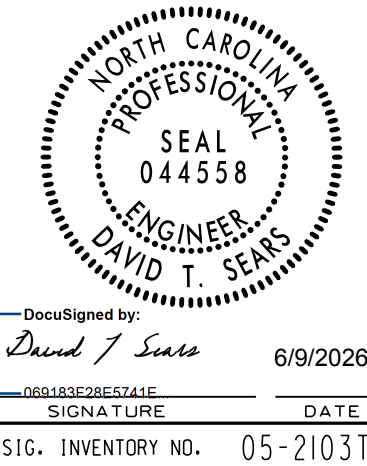
PLAN DATE: JUNE 2026	REVIEWED BY: DT SEARS
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29	PREPARED BY: WP JONES	REVIEWED BY:
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REVISIONS	INIT.	DATE

[illegible][illegible]

SEAL



SIGNATURE	DATE
SIG. INVENTORY NO.	05-2103T4