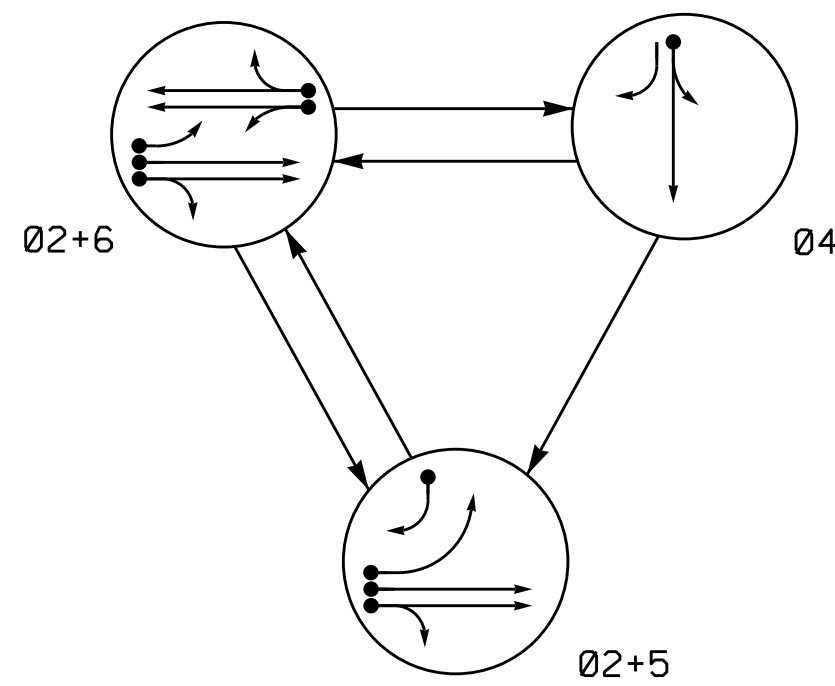


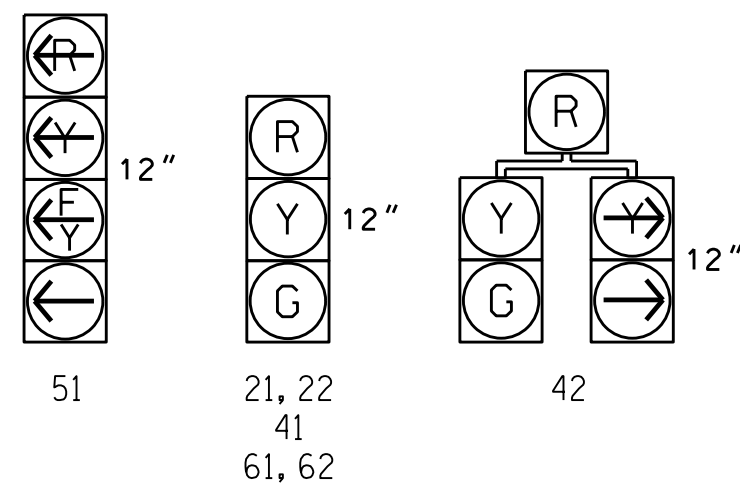
PHASING DIAGRAM



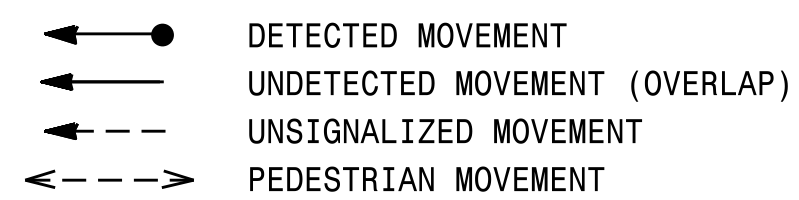
SIGNAL FACE	PHASE			
	02+5	02+6	04	F
21, 22	G	G	R	Y
41	R	R	G	R
42	R	R	G	R
51	F	F	R	Y
61, 62	R	G	R	Y

SIGNAL FACE I.D.

All Heads L.E.D.



PHASING DIAGRAM DETECTION LEGEND

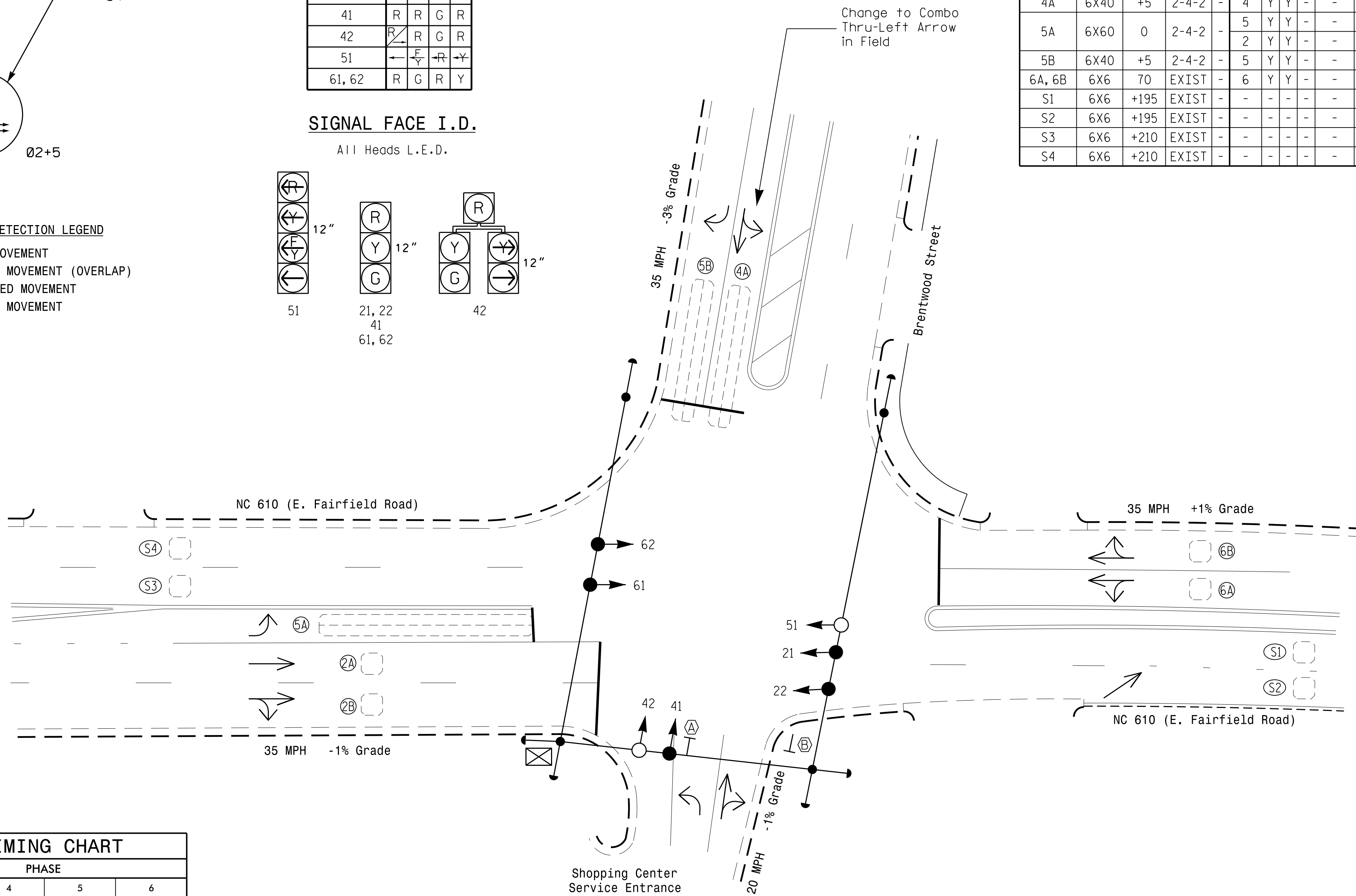


LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING					SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME			DELAY TIME
2A, 2B	6X6	70	EXIST	-	2	Y	Y	-	-	-	-	Y
4A	6X40	+5	2-4-2	-	4	Y	Y	-	-	3	-	Y
5A	6X60	0	2-4-2	-	5	Y	Y	-	-	15	-	Y
5B	6X40	+5	2-4-2	-	5	Y	Y	-	-	15	-	Y
6A, 6B	6X6	70	EXIST	-	6	Y	Y	-	-	-	-	Y
S1	6X6	+195	EXIST	-	-	-	-	-	-	-	-	Y
S2	6X6	+195	EXIST	-	-	-	-	-	-	-	-	Y
S3	6X6	+210	EXIST	-	-	-	-	-	-	-	-	Y
S4	6X6	+210	EXIST	-	-	-	-	-	-	-	-	Y

3 Phase Fully Actuated (High Point Signal System)

NOTES

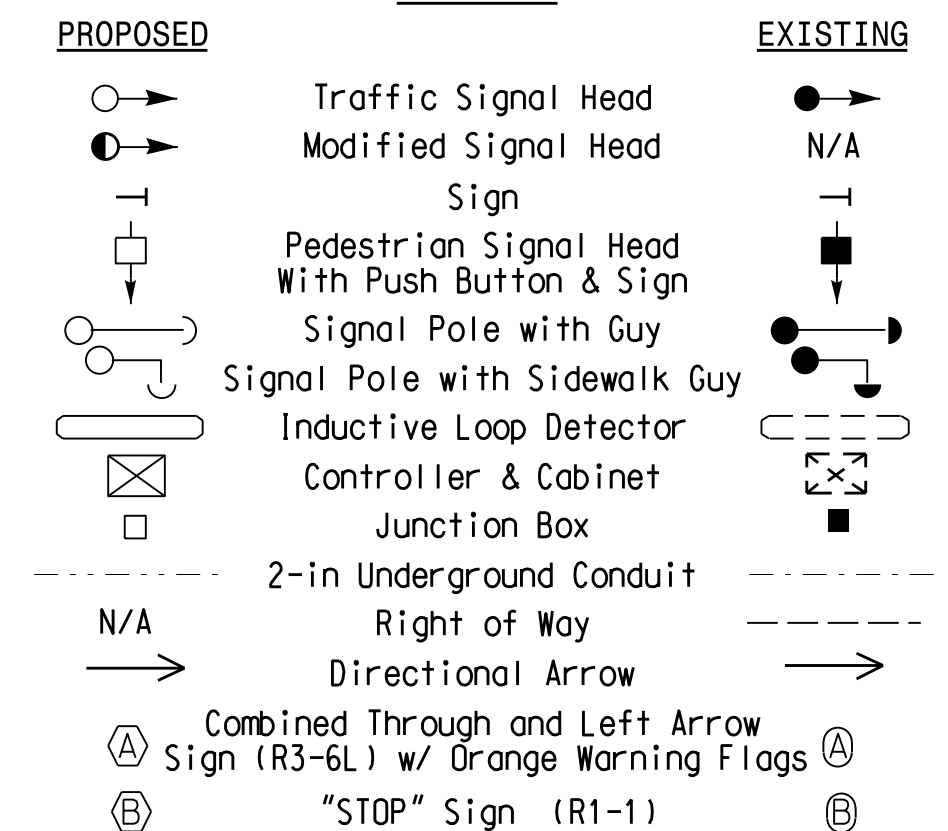
- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Enable Backup Protect for phase 2 to allow the controller to clear from phase 2+6 to phase 2+5 by progressing through an all red display.
- Set all detector units to presence mode.
- 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.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Thirty days after implementation of the revised signal operation, sign A and/or orange flags may be removed at the discretion of the Regional Traffic Engineer.
- Remove existing Left Arrow "ONLY" (R3-5L) and Through Arrow "ONLY" (R3-5A) signs.
- Pavement markings are existing unless otherwise shown.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



FEATURE	PHASE			
	2	4	5	6
Min Green 1 *	10	7	7	10
Extension 1 *	3.0	2.0	1.0	3.0
Max Green 1 *	45	20	15	45
Yellow Clearance	3.9	4.1	3.0	3.9
Red Clearance	2.3	1.8	2.6	2.3
Red Revert	5.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MIN RECALL	-	-	MIN RECALL
Vehicle Call Memory	YELLOW	-	-	YELLOW
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.

LEGEND



Signal Upgrade

750 N. Greenfield Pkwy, Garner, NC 27529

NC 610 (E. Fairfield Road) at Brentwood Street

Division 7 Guilford County High Point

PLAN DATE: July 2014 REVIEWED BY:

PREPARED BY: R.N. Zinser REVIEWED BY:

REVISIONS: _____ INIT. DATE

SEAL

4/23/2015

SIG. INVENTORY NO. 07-0869