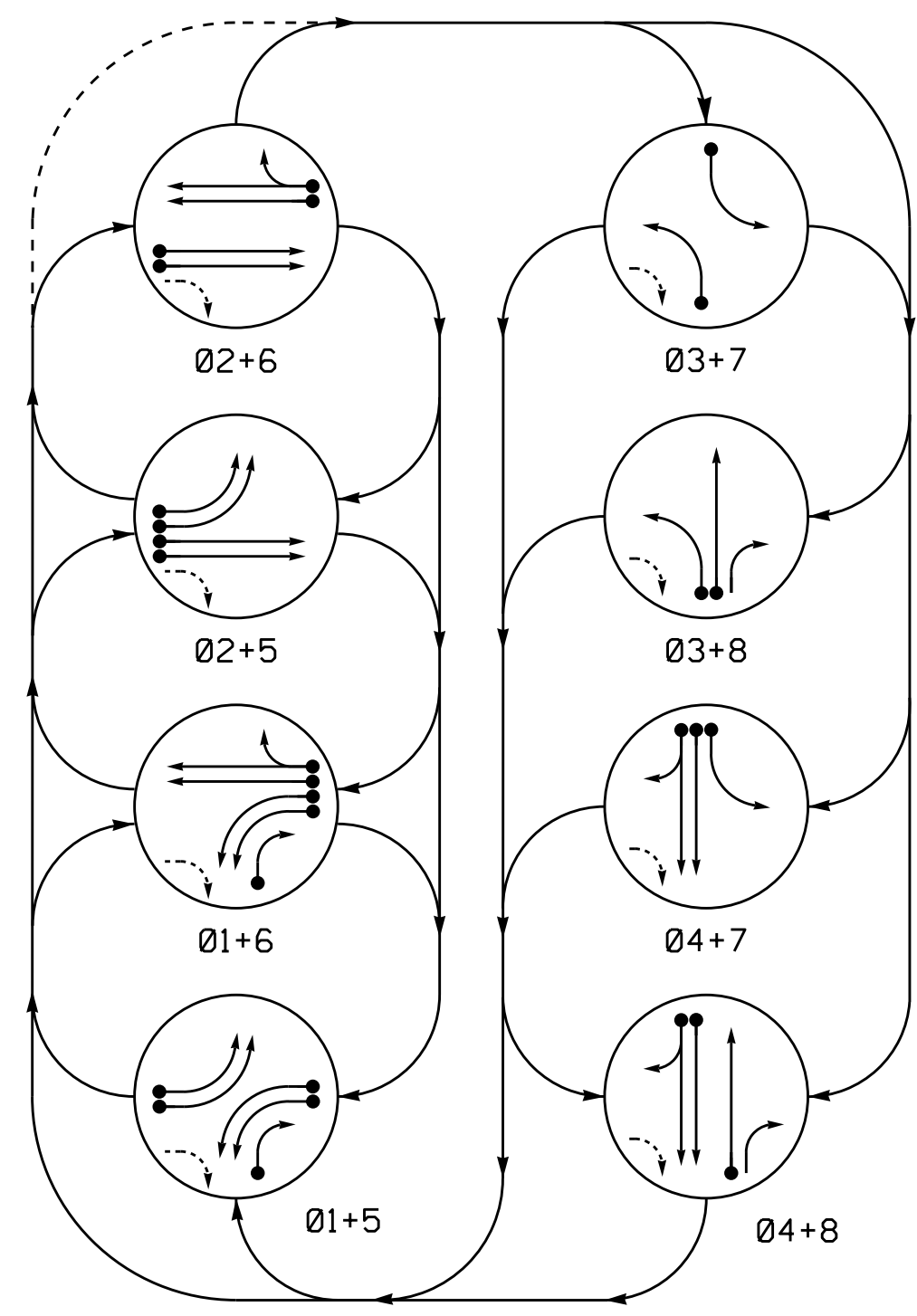


PHASING DIAGRAM



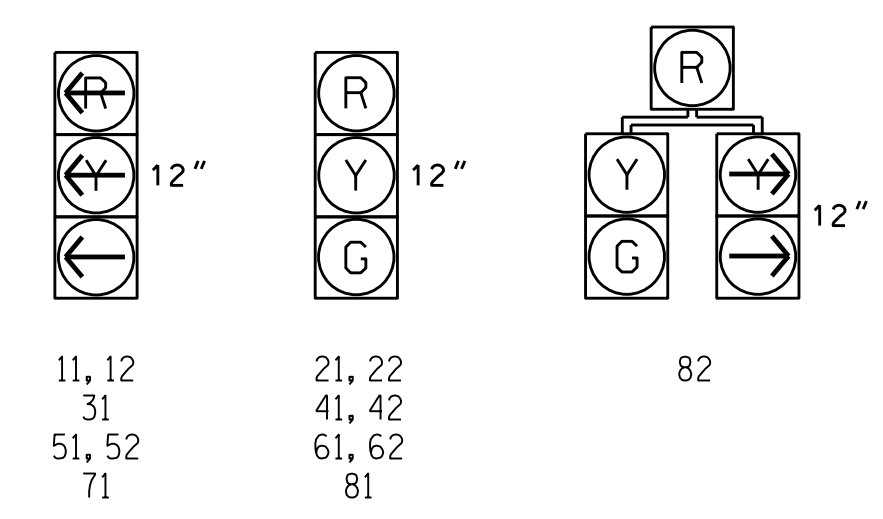
PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE							
	01+5	01+6	02+5	02+6	03+7	03+8	04+7	04+8
11, 12	-	-	-	-	-	-	-	-
21, 22	R	R	G	G	R	R	R	Y
31	-	-	-	-	-	-	-	-
41, 42	R	R	R	R	R	R	G	G
51, 52	-	-	-	-	-	-	-	-
61, 62	R	G	R	G	R	R	R	Y
71	-	-	-	-	-	-	-	-
81	R	R	R	R	R	G	R	G
82	R	R	R	R	R	G	R	G

SIGNAL FACE I.D.

All Heads L.E.D.

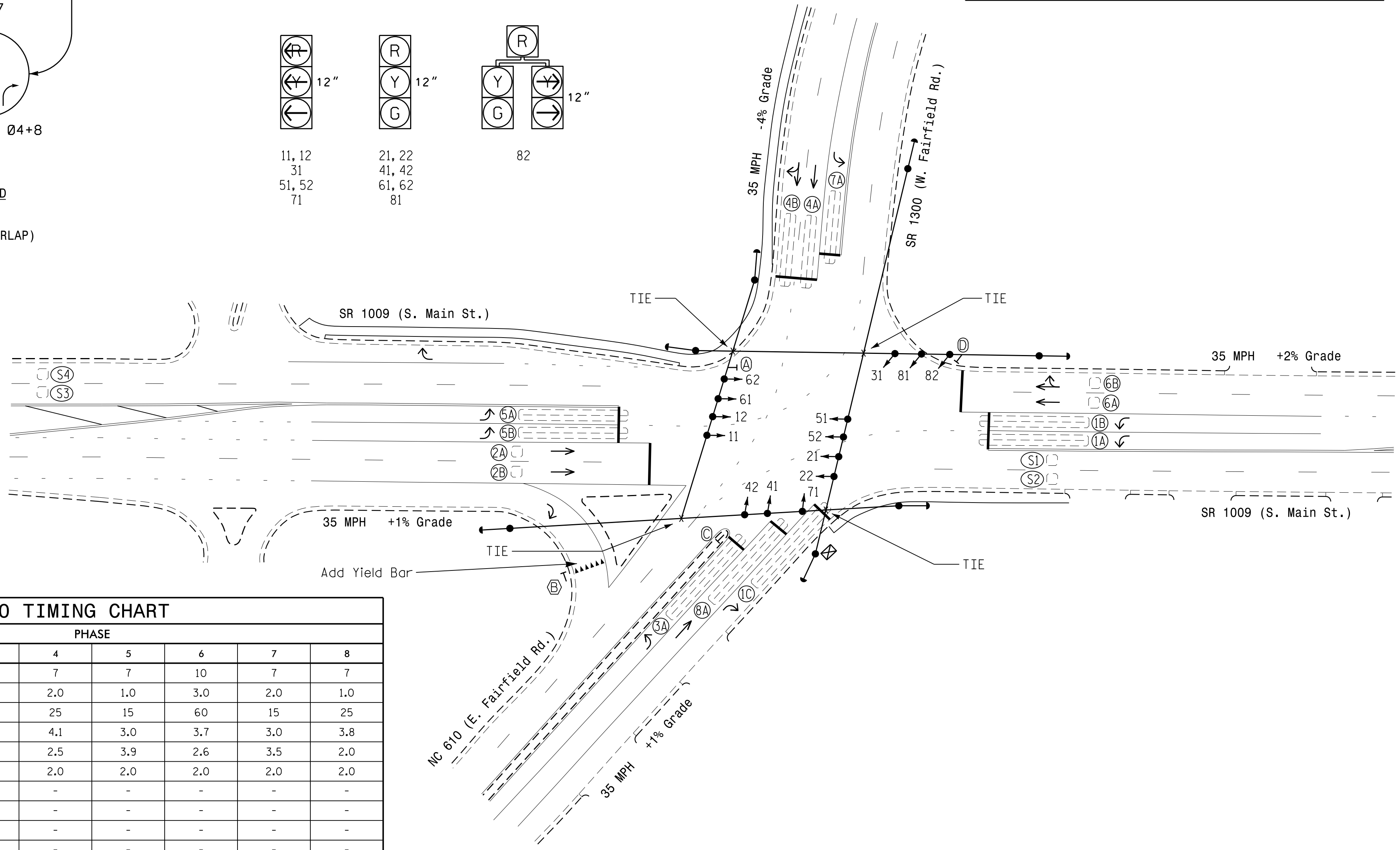


OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1A, 1B	6X60	+5	2-4-2	-	1	Y	Y	-	-	3	-	Y
1C	6X60	+5	2-4-2	-	1	Y	Y	-	-	15	-	Y
2A, 2B	6X6	70	EXIST	-	2	Y	Y	-	-	-	-	Y
3A	6X60	+5	2-4-2	-	3	Y	Y	-	-	-	-	Y
4A, 4B	6X40	+5	2-4-2	-	4	Y	Y	-	-	5	-	Y
5A	6X60	+5	2-4-2	-	5	Y	Y	-	-	3	-	Y
5B	6X60	+5	2-4-2	-	5	Y	Y	-	-	-	-	Y
6A, 6B	6X6	70	EXIST	-	6	Y	Y	-	-	-	-	Y
7A	6X40	+5	2-4-2	-	7	Y	Y	-	-	3	-	Y
8A	6X60	+5	2-4-2	-	8	Y	Y	-	-	-	-	Y
S1	6X6	+220	EXIST	-	-	-	-	-	-	-	-	Y
S2	6X6	+220	EXIST	-	-	-	-	-	-	-	-	Y
S3	6X6	+500	EXIST	-	-	-	-	-	-	-	-	Y
S4	6X6	+500	EXIST	-	-	-	-	-	-	-	-	Y

8 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.
- Phase 1 and/or phase 5 may be lagged.
- Phase 3 and/or phase 7 may be lagged.
- 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.
- 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.



OASIS 2070 TIMING CHART								
FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green 1 *	7	10	7	7	7	10	7	7
Extension 1 *	1.0	3.0	1.0	2.0	1.0	3.0	2.0	1.0
Max Green 1 *	15	60	15	25	15	60	15	25
Yellow Clearance	3.0	3.8	3.0	4.1	3.0	3.7	3.0	3.8
Red Clearance	4.2	2.5	2.8	2.5	3.9	2.6	3.5	2.0
Red Revert	2.0	2.0	2.0	2.0	2.0	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**	-	SOFT RECALL	-	-	-	SOFT RECALL	-	-
Vehicle Call Memory	-	YELLOW	-	-	-	YELLOW	-	-
Dual Entry	-	-	-	-	-	-	-	-
Simultaneous Gap	ON	ON	ON	ON	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.
 **May be changed to Min Recall by Time of Day at discretion of City Traffic Engineer.

PROPOSED	EXISTING
	N/A

Signal Upgrade

750 N. Greenfield Pkwy, Garner, NC 27529

SR 1009 (S. Main St.) at NC 610/SR 1300 (Fairfield Rd.)

Division 7 Guilford County High Point

PLAN DATE: April 2014 REVIEWED BY: R.N. Zinser

PREPARED BY: R.N. Zinser REVIEWED BY:

SEAL

ROBERT J. ZIEMBA
ENGINEER
026486

3/6/2015

SCALE 1"=40'

REVISIONS	INIT.	DATE

SIG. INVENTORY NO. 07-0734

20-0486-2015-1412
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