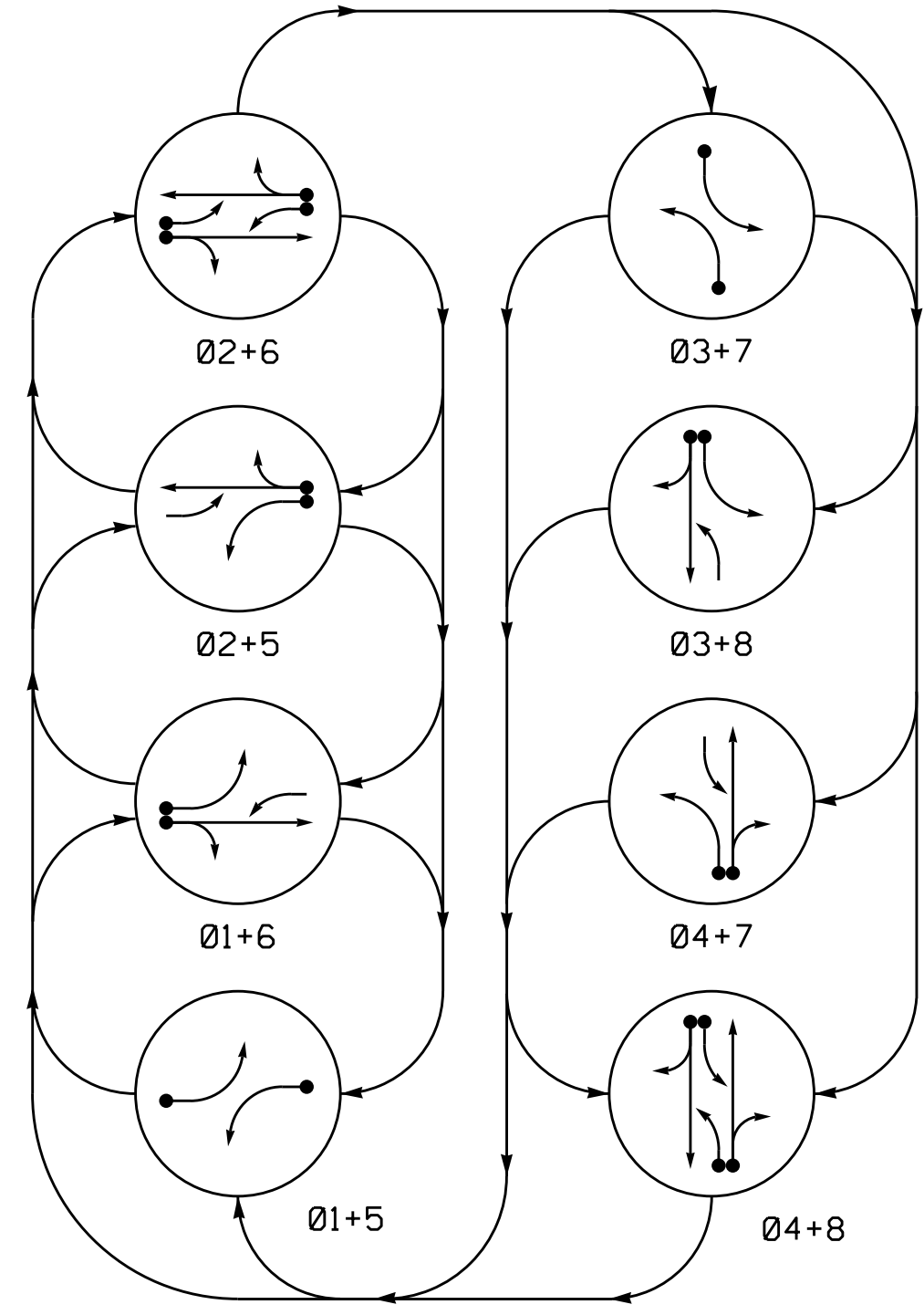
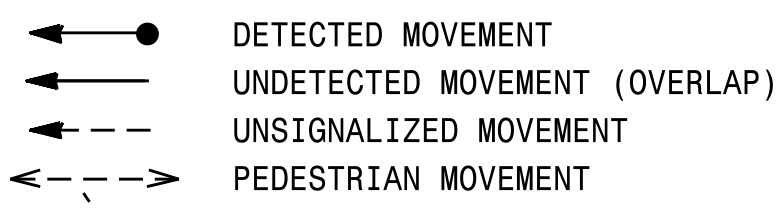


PHASING DIAGRAM



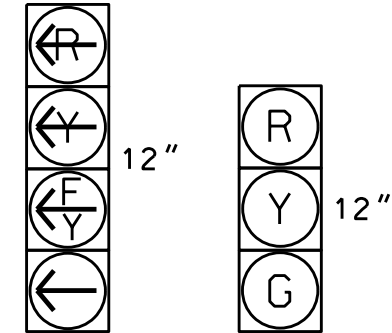
PHASING DIAGRAM DETECTION LEGEND



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

SIGNAL FACE I.D.

All Heads L.E.D.



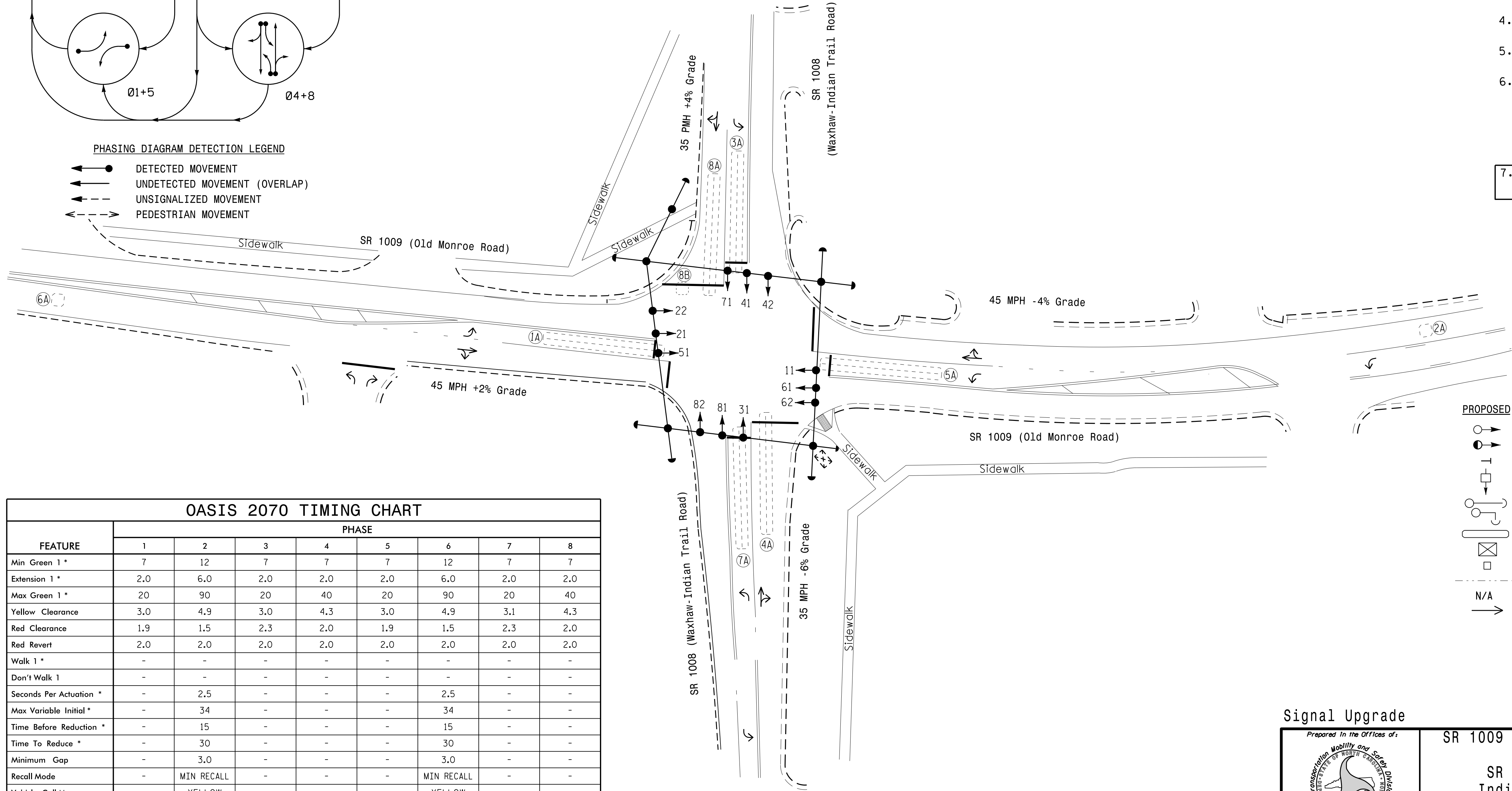
11 21, 22
31 41, 42
51 61, 62
71 81, 82

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART											
INDUCTIVE LOOPS				DETECTOR PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1A	6X60	+5	2-4-2	-	1	Y	Y	-	15	-	-
2A	6X6	300	5	-	2	Y	Y	-	3	-	-
3A	6X60	+5	2-4-2	-	3	Y	Y	-	15	-	-
4A	6X60	+5	2-4-2	-	4	Y	Y	-	10	-	-
5A	6X60	+5	2-4-2	-	5	Y	Y	-	3	-	-
6A	6X6	300	5	-	6	Y	Y	-	-	-	-
7A	6X60	+5	2-4-2	-	7	Y	Y	-	15	-	-
8A	6X60	+5	2-4-2	-	8	Y	Y	-	10	-	-
8B	6X6	+5	3	-	8	Y	Y	-	15	-	-

8 Phase Fully Actuated Isolated

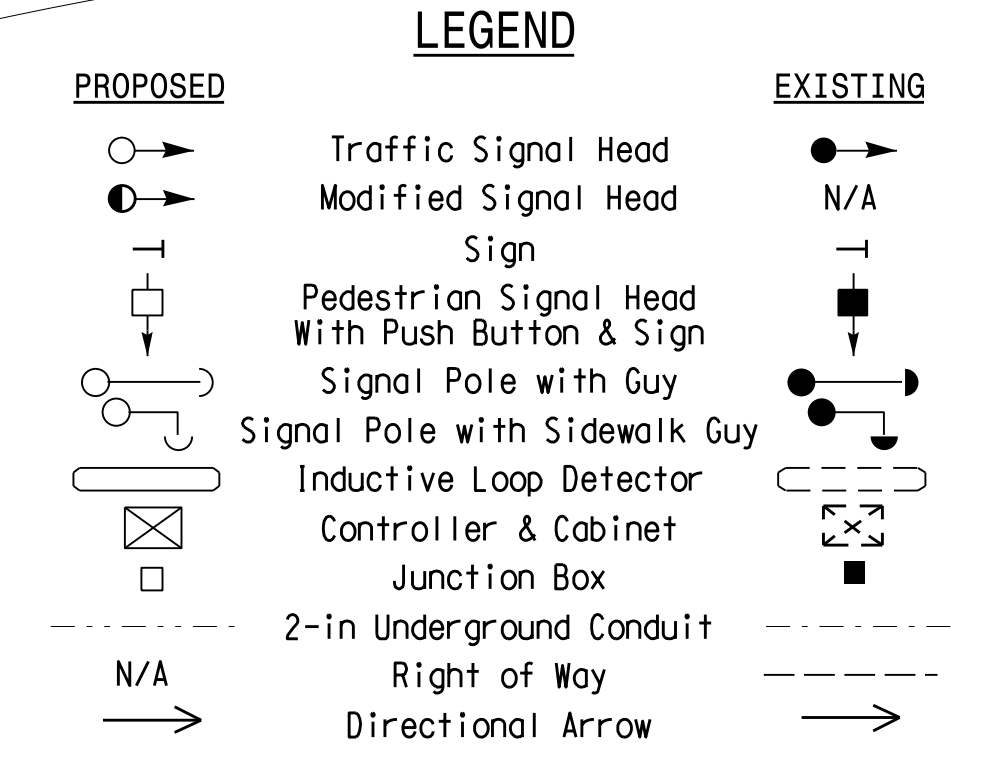
NOTES

- 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.
- Install GPS Unit for time-based coordination.



FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green 1 *	7	12	7	7	7	12	7	7
Extension 1 *	2.0	6.0	2.0	2.0	2.0	6.0	2.0	2.0
Max Green 1 *	20	90	20	40	20	90	20	40
Yellow Clearance	3.0	4.9	3.0	4.3	3.0	4.9	3.1	4.3
Red Clearance	1.9	1.5	2.3	2.0	1.9	1.5	2.3	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 *	-	2.5	-	-	-	2.5	-	-
Max Variable Initial *	-	34	-	-	-	34	-	-
Time Before Reduction *	-	15	-	-	-	15	-	-
Time To Reduce *	-	30	-	-	-	30	-	-
Minimum Gap	-	3.0	-	-	-	3.0	-	-
Recall Mode	-	MIN RECALL	-	-	-	MIN RECALL	-	-
Vehicle Call Memory	-	YELLOW	-	-	-	YELLOW	-	-
Dual Entry	-	-	-	ON	-	-	-	ON
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.



Signal Upgrade

750 N. Greenfield Pkwy, Garner, NC 27529

SR 1009 (Old Monroe Road)
at
SR 1008 (Waxhaw - Indian Trail Road)

Division 10 Union County Indian Trail

PLAN DATE: July 2015 REVIEWED BY: T. Williams

PREPARED BY: M. Mahbooba REVIEWED BY:

SEAL

8/27/2015

SCALE 0 30

1"=30'

REVISIONS

NO.	DATE	DESCRIPTION

INIT. DATE

INIT.	DATE

27-AUG-2015 09:08
 R:\Projects\2015\SR1009\Signal\Signal Design Section\20150827.dgn
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