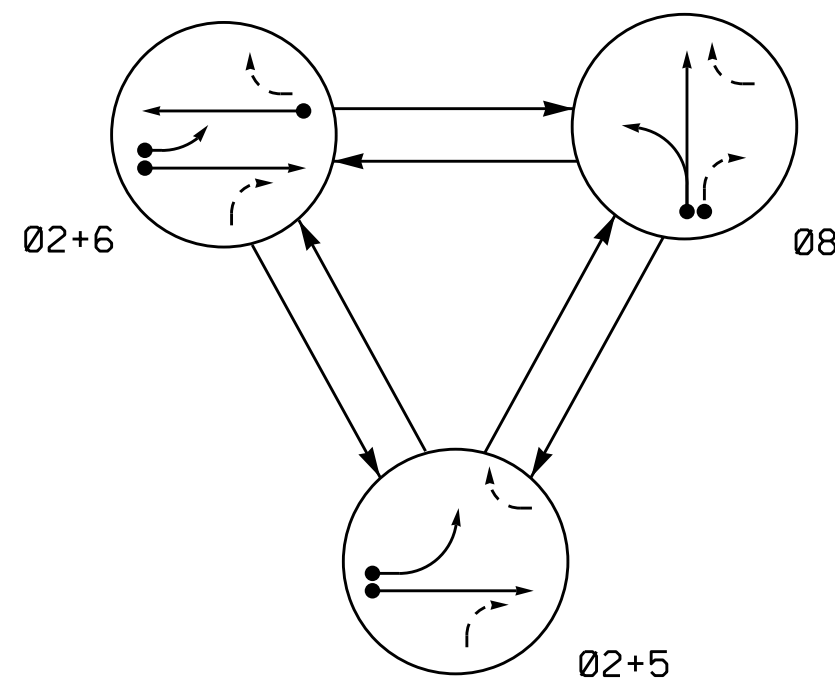


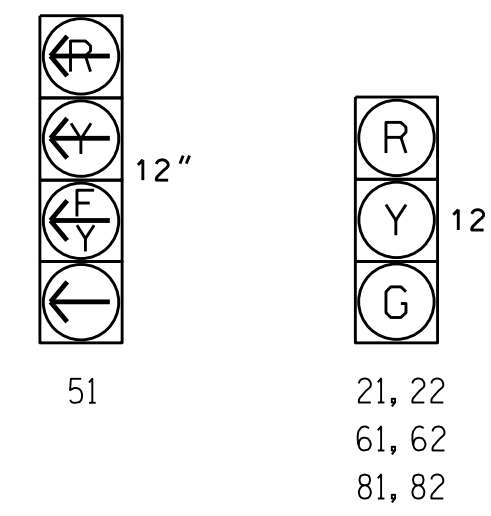
PHASING DIAGRAM



SIGNAL FACE	PHASE			
	02+6	08	02+5	Flash
21, 22	G	G	R	Y
51	-	-	-	-
61, 62	R	G	R	Y
81, 82	R	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



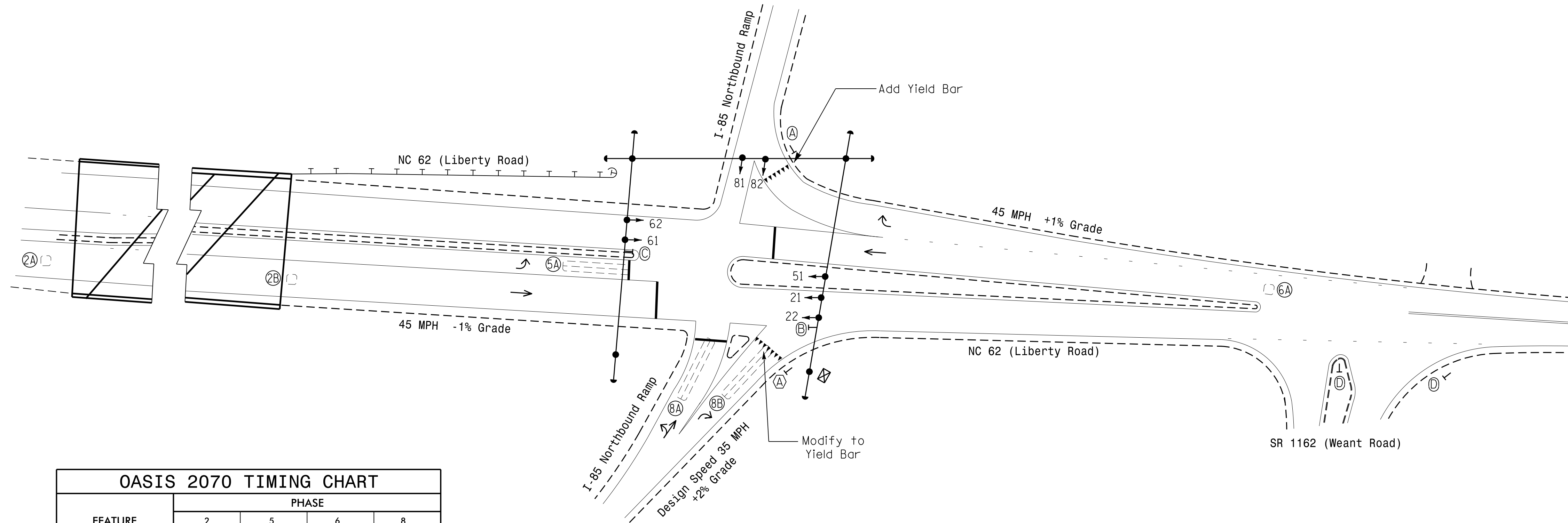
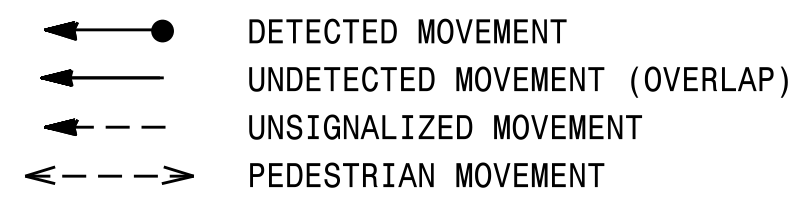
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART											
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	FULL TIME DELAY			STRETCH TIME
2A	6X6	705	EXIST	-	2	Y	Y	-	6.4	-	-
2B	6X6	213	EXIST	-	2	Y	Y	-	-	-	-
5A	6X40	0	2-4-2	-	5	Y	Y	-	-	15	-
6A	6X6	295	EXIST	-	6	Y	Y	-	-	-	-
8A	6X40	0	2-4-2	-	8	Y	Y	-	-	-	-
8B	6X40	0	2-4-2	-	8	Y	Y	Y	-	30	-

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.
- Phase 5 may be lagged.
- Reposition existing signal heads numbered 81 and 82.
- Set all detector units to presence mode.
- 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.

PHASING DIAGRAM DETECTION LEGEND

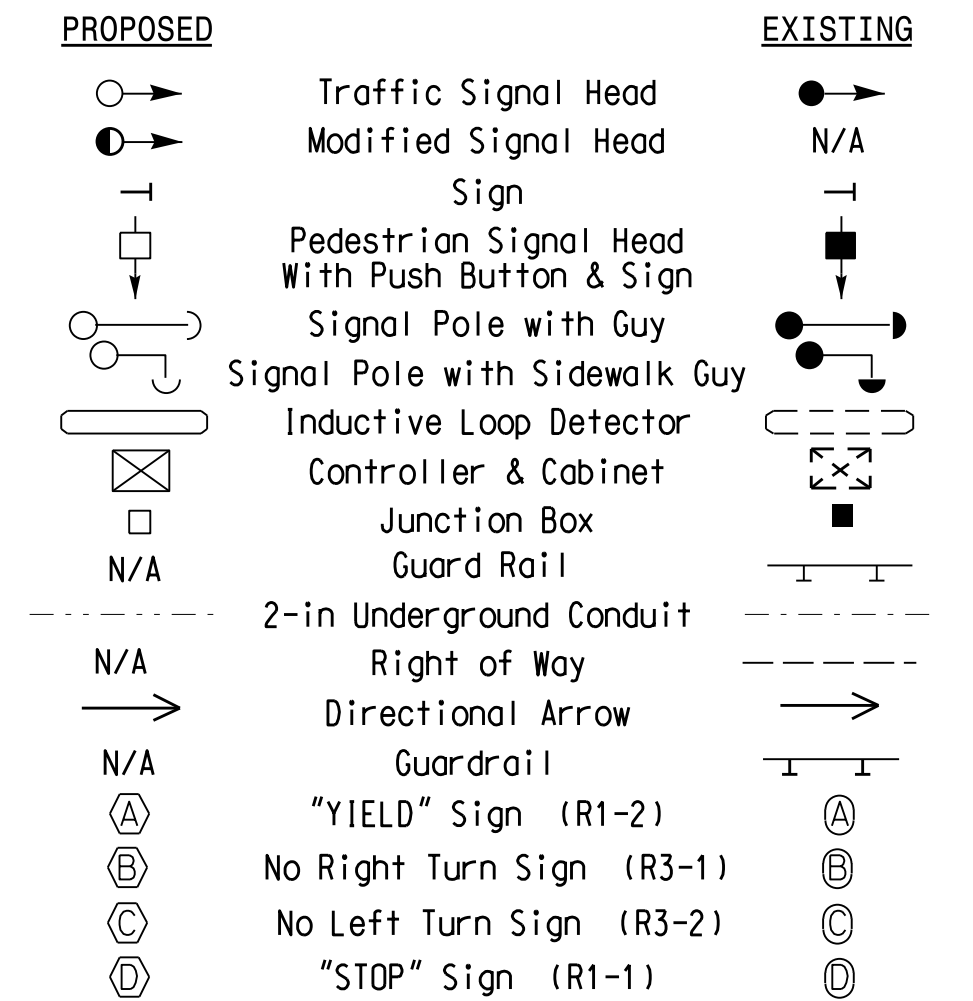


OASIS 2070 TIMING CHART

FEATURE	PHASE			
	2	5	6	8
Min Green 1 *	12	7	12	7
Extension 1 *	2.0	2.0	6.0	2.0
Max Green 1 *	90	20	90	30
Yellow Clearance	4.6	3.0	4.6	3.7
Red Clearance	1.0	2.4	1.0	1.5
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	-	2.5	-
Max Variable Initial *	-	-	34	-
Time Before Reduction *	-	-	15	-
Time To Reduce *	-	-	30	-
Minimum Gap	-	-	3.1	-
Recall Mode**	SOFT RECALL	-	SOFT 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.
 ** May be changed to Min Recall by Time of Day at discretion of City Traffic Engineer.

LEGEND



Signal Upgrade

Prepared in the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

NC 62 (Liberty Road) at I-85 Northbound Ramps

Division 7 Guilford County Archdale

PLAN DATE: August 2014 REVIEWED BY: [Signature]

PREPARED BY: R.N. Zinser REVIEWED BY: [Signature]

SCALE: 1" = 40'

750 N. Greenfield Pkwy, Garner, NC 27529

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER ROBERT J. ZEMBA

4/2/2015

SIG. INVENTORY NO. 07-2091

02-APR-2015 15:08
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