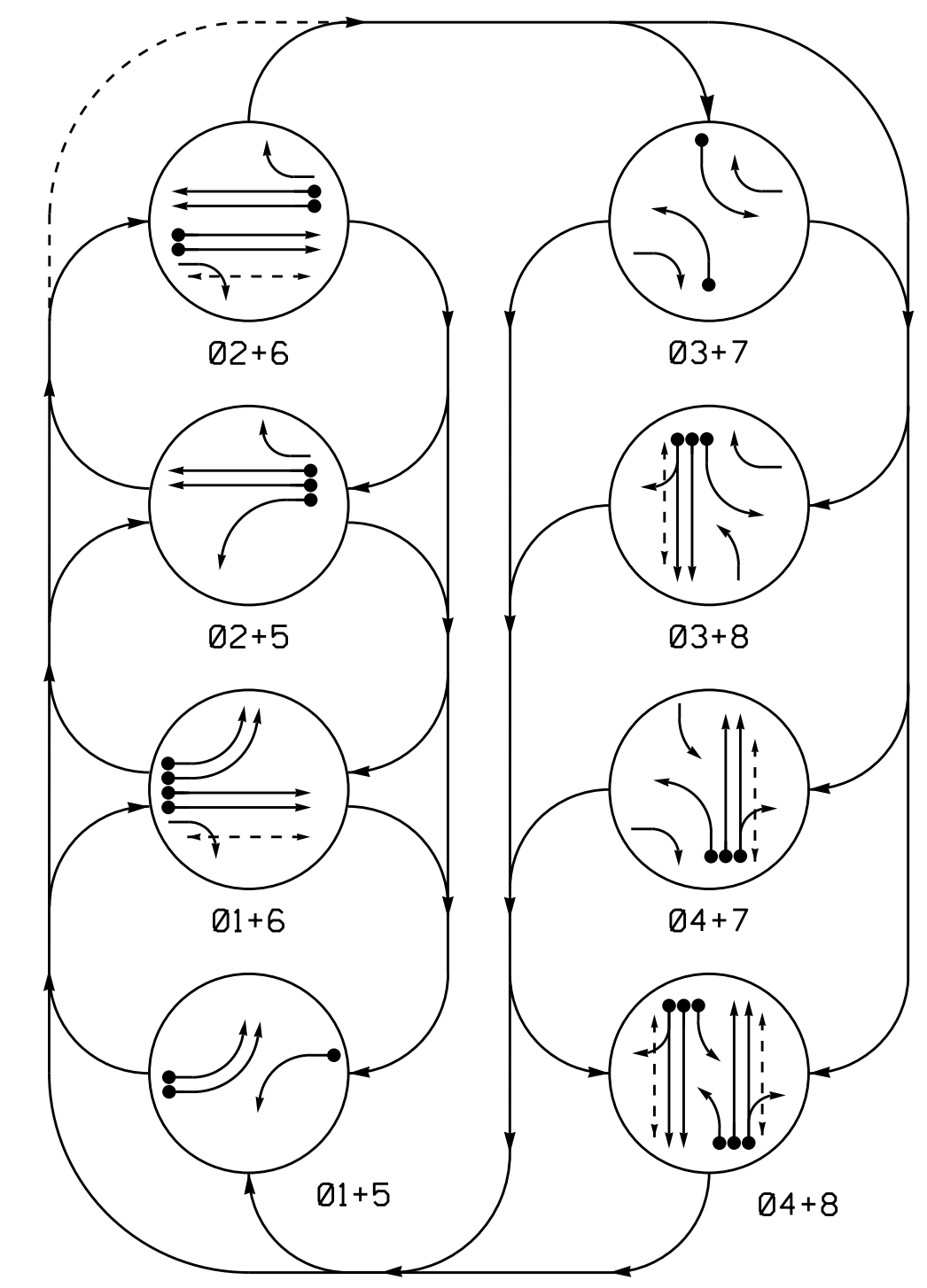


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

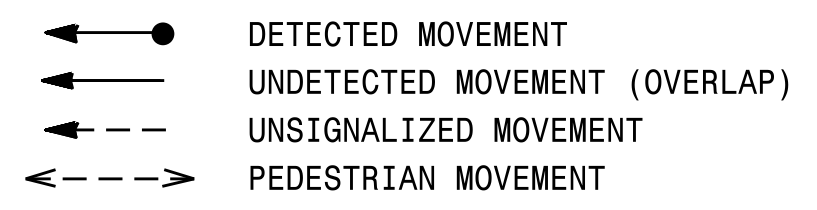
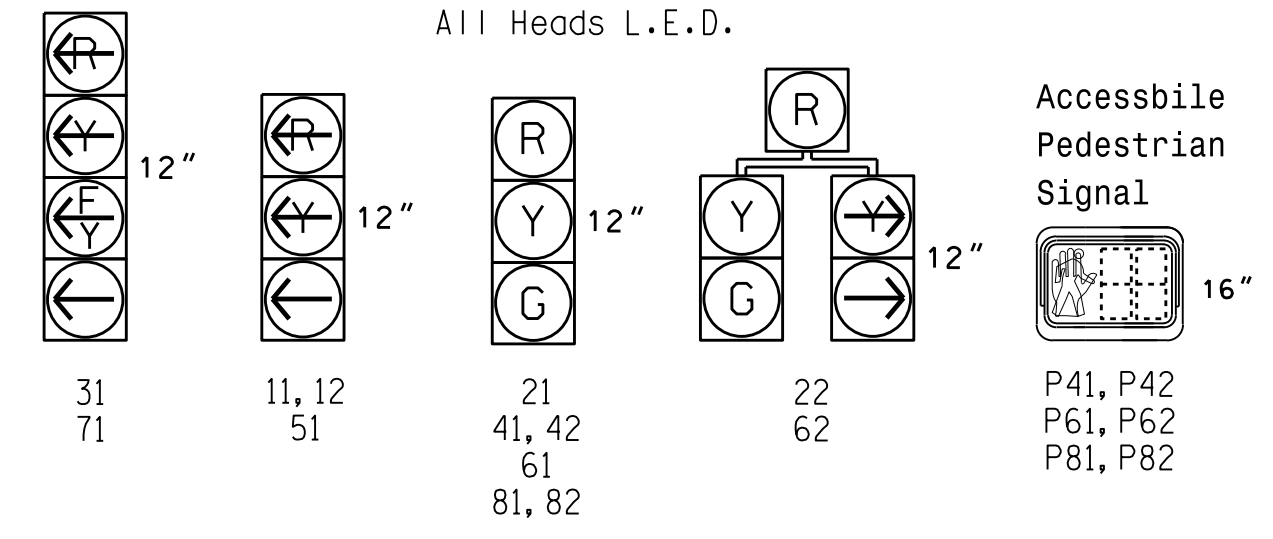


TABLE OF OPERATION

SIGNAL FACE	PHASE							
	01+5	01+6	02+5	02+6	03+7	03+8	04+7	04+8
11, 12	-	-	R	R	R	R	R	R
21	R	R	G	G	R	R	R	Y
22	R	R	G	G	R	R	R	Y
31	R	R	R	R	-	-	-	R
41, 42	R	R	R	R	R	R	G	R
51	-	R	-	R	R	R	R	R
61	R	G	R	G	R	R	R	Y
62	R	G	R	G	R	R	R	Y
71	R	R	R	R	-	-	-	R
81, 82	R	R	R	R	R	G	R	R
P41, P42	DW	DW	DW	DW	DW	W	W	DRK
P61, P62	DW	W	DW	W	DW	DW	DW	DRK
P81, P82	DW	DW	DW	DW	DW	W	W	DRK

W - Walk
DW - Don't Walk
DRK - Dark

SIGNAL FACE I.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

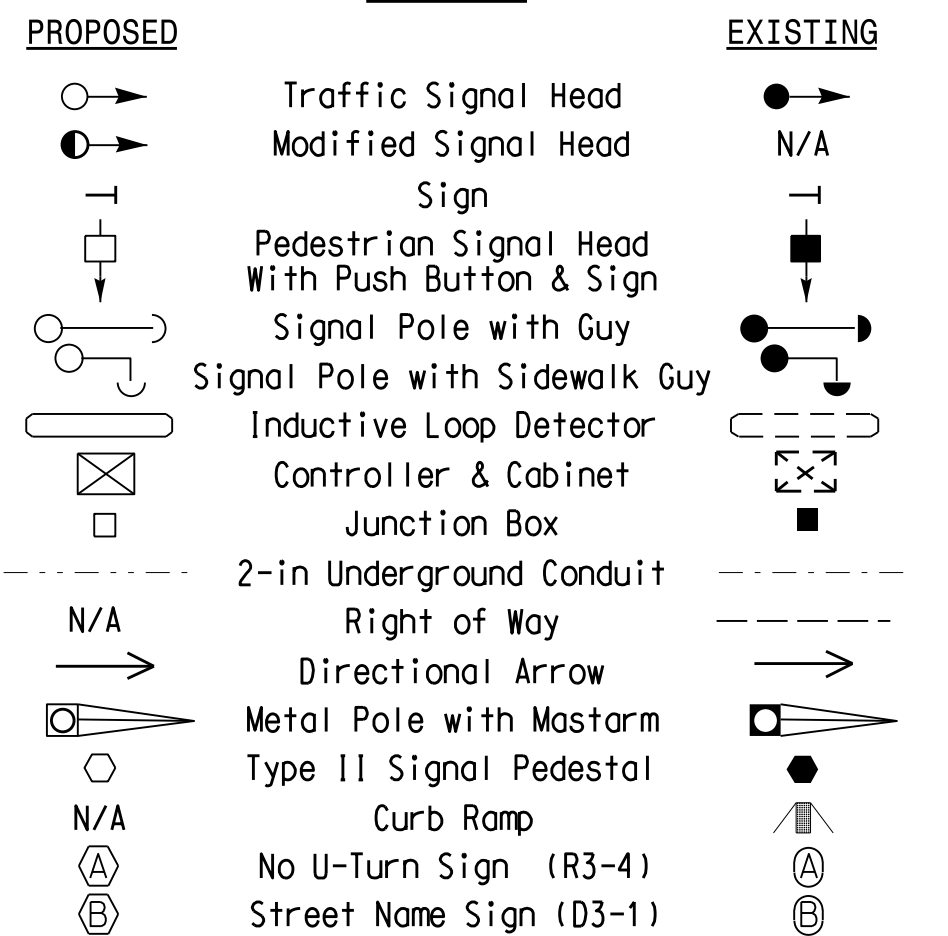
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION FULL TIME DELAY	STRETCH TIME			DELAY TIME
1A	6X60	0	2-4-2	-	1	Y	Y	-	-	-	Y
1B	6X60	0	2-4-2	-	1	Y	Y	-	-	-	Y
2A, 2B	6X6	330	EXIST	-	2	Y	Y	-	-	-	Y
2C, 2D	6X6	90	EXIST	-	DISCONNECT				-	-	-
3A	6X60	0	2-4-2	-	3	Y	Y	-	-	15	-
4A	6X60	0	2-4-2	-	4	Y	Y	-	-	-	-
4B	6X60	0	2-4-2	-	4	Y	Y	-	-	10	-
5A	6X60	+25	2-4-2	-	5	Y	Y	-	-	3	-
6A, 6B	6X6	355	EXIST	-	6	Y	Y	-	-	-	-
6C, 6D	6X6	90	EXIST	-	DISCONNECT				-	-	-
7A	6X60	0	2-4-2	-	7	Y	Y	-	-	15	-
8A	6X60	0	2-4-2	-	8	Y	Y	-	-	-	-
8B	6X60	0	2-4-2	-	8	Y	Y	-	-	10	-
S1	6X6	EXIST	EXIST	-	-	-	-	-	-	-	Y
S2	6X6	+600	EXIST	-	-	-	-	-	-	-	Y
S3	6X6	+600	EXIST	-	-	-	-	-	-	-	Y
S4	6X6	+190	3	Y	-	-	-	-	-	-	Y
S5	6X6	+190	3	Y	-	-	-	-	-	-	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.
- Disconnect existing loops 2C, 2D, 6C, and 6D.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

LEGEND



OASIS 2070 TIMING CHART

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 *	15	90	15	30	15	90	15	30
Yellow Clearance	3.0	4.2	3.0	3.9	3.0	4.9	3.0	3.9
Red Clearance	3.5	2.3	3.7	3.0	3.7	2.3	3.6	3.0
Walk 1 *	-	-	-	7	-	7	-	7
Don't Walk 1	-	-	-	22	-	16	-	24
Seconds Per Actuation *	-	1.5	-	-	-	1.5	-	-
Max Variable Initial *	-	37	-	-	-	40	-	-
Time Before Reduction *	-	15	-	-	-	15	-	-
Time To Reduce *	-	30	-	-	-	30	-	-
Minimum Gap	-	3.0	-	-	-	3.0	-	-
Recall Mode **	-	SOFT RECALL	-	-	-	SOFT 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.
** May be changed to Min Recall by Time of Day at discretion of City Traffic Engineer.

ACCESSIBLE PEDESTRIAN SIGNAL OPERATION

SIGNAL FACE	VOICE	TONES	INTERVAL	SPEECH MESSAGE*
P41, P42	X	-	Walk Flashing Don't Walk / Don't Walk	North College. Walk sign is on to cross North College. Wait. Wait to cross North College.
P61, P62	X	-	Walk Flashing Don't Walk / Don't Walk	East Lexington. Walk sign is on to cross East Lexington. Wait. Wait to cross East Lexington.
P81, P82	X	-	Walk Flashing Don't Walk / Don't Walk	North College. Walk sign is on to cross North College. Wait. Wait to cross North College.

* Volume should be set to 5dB over ambient noise level.

Signal Upgrade

750 N. Greenfield Pkwy, Garner, NC 27529

SR 1278 (N. College Dr.)
at
SR 1486 (E. Lexington Ave.)

Division 7 Guilford County High Point

PLAN DATE: July 2014 PREPARED BY: R.N. Zinser

PREPARED BY: Jeff Spence REVIEWED BY:

REVISIONS INIT. DATE

SCALE 0 40
1"=40'

SEAL

4/2/2015

SIG. INVENTORY NO. 07-0916

02-095-2015 16:57
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