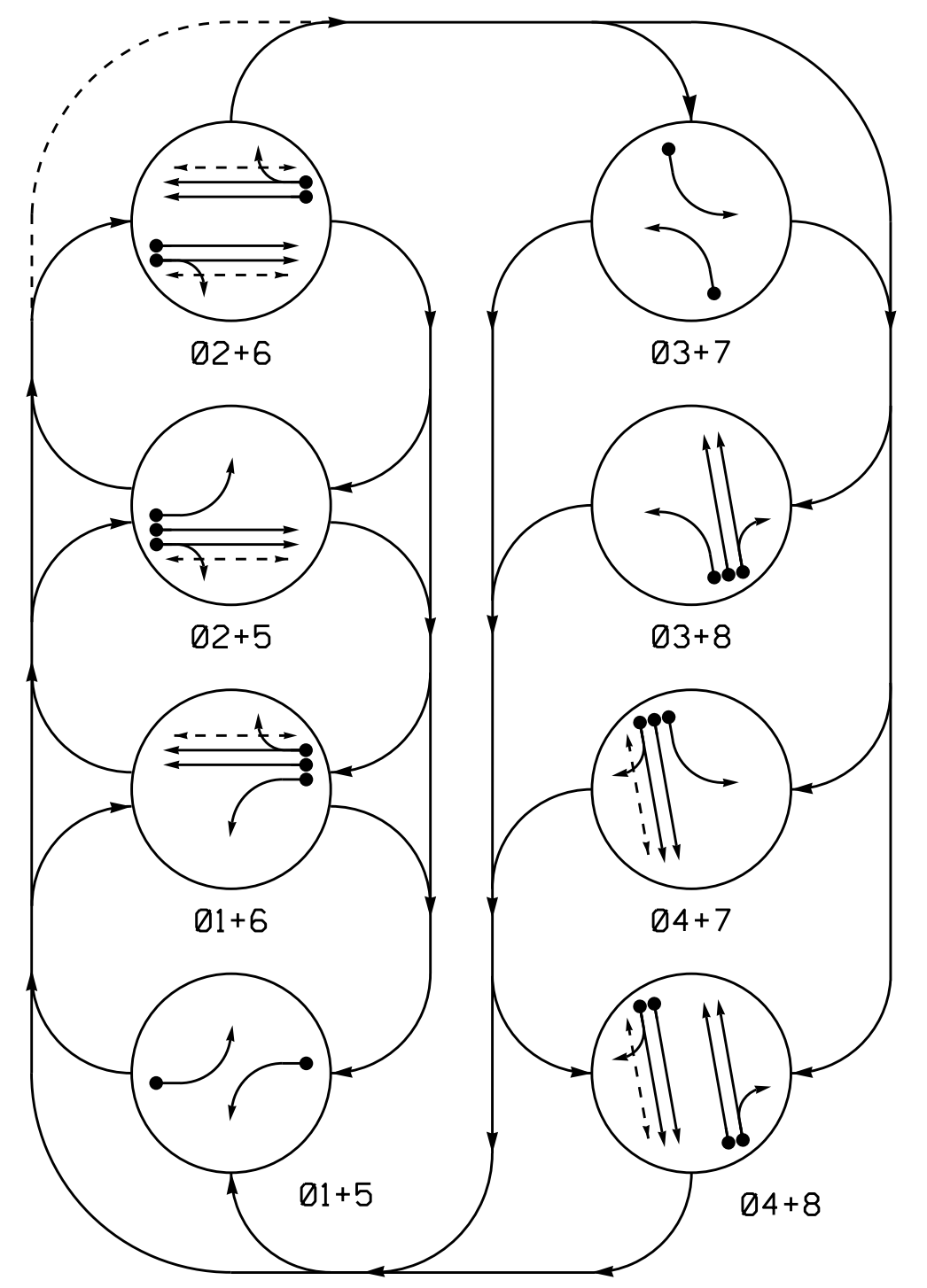


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

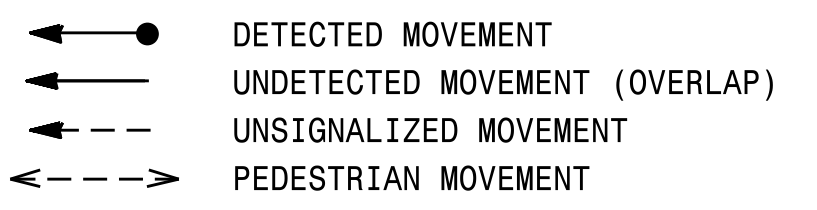


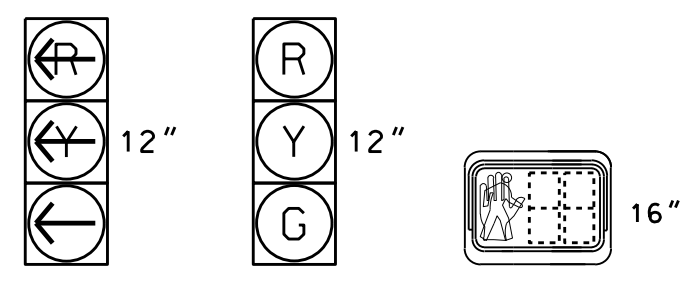
TABLE OF OPERATION

SIGNAL FACE	PHASE								FLASH
	01+5	02+6	03+7	04+8	01+5	02+6	03+7	04+8	
11	---	---	---	---	---	---	---	---	---
21, 22, 23	R	R	G	G	R	R	R	R	Y
31	---	---	---	---	---	---	---	---	---
41, 42	R	R	R	R	R	R	G	G	R
51	---	---	---	---	---	---	---	---	---
61, 62, 63	R	G	R	G	R	R	R	R	Y
71	---	---	---	---	---	---	---	---	---
81, 82	R	R	R	R	R	G	R	G	R
P21, P22	DW	DW	W	W	DW	DW	DW	DRK	DRK
P41, P42	DW	DW	DW	DW	DW	W	W	DRK	DRK
P61, P62	DW	W	DW	W	DW	DW	DW	DRK	DRK

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

SIGNAL FACE I.D.

All Heads L.E.D.



11	21, 22, 23	P21, P22
31	41, 42	P41, P42
51	61, 62, 63	P61, P62
71	81, 82	

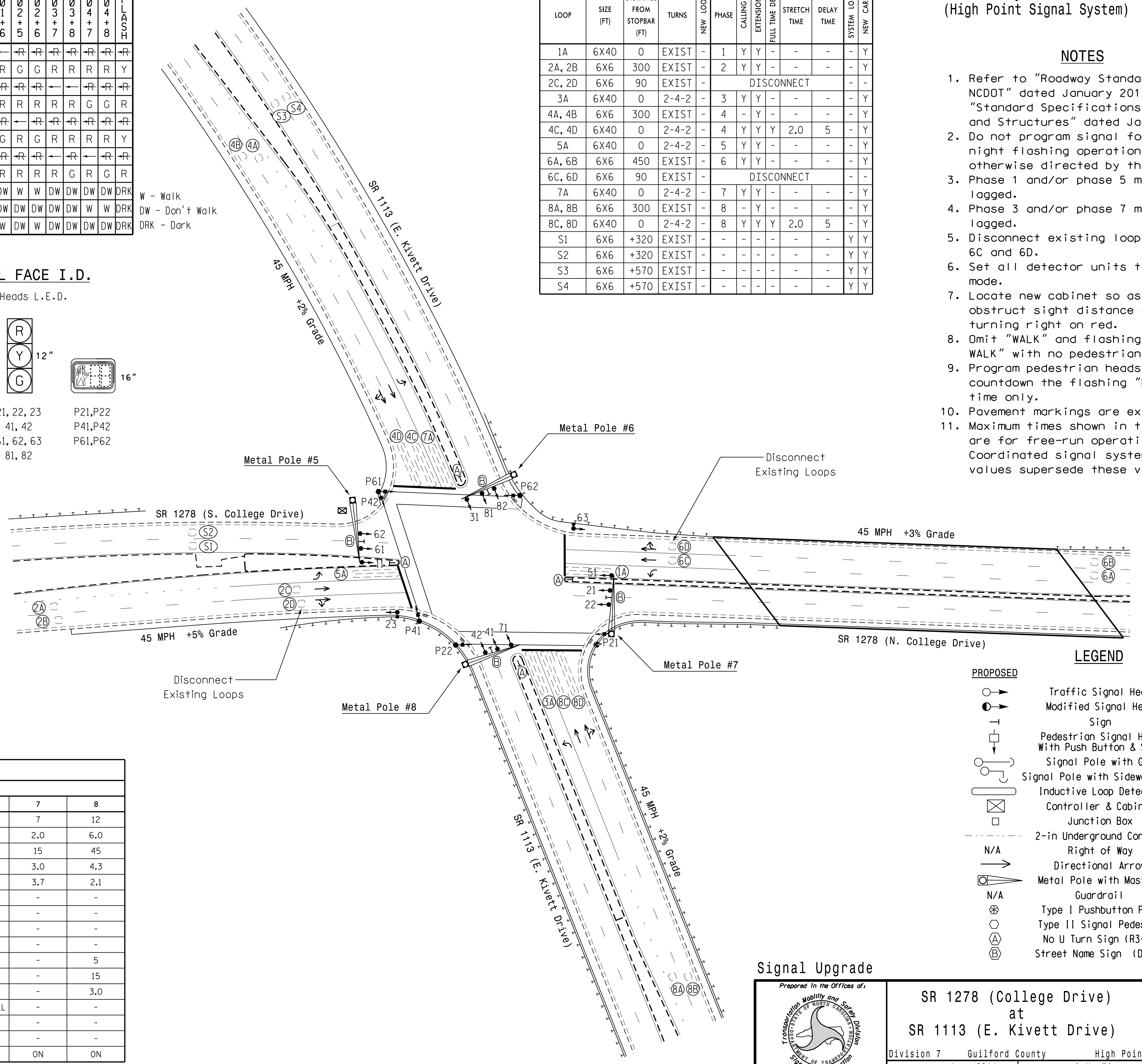
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING						LOOP SYSTEM	NEW CARD
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME		
1A	6X40	0	EXIST	-	1	Y	Y	-	-	-	-	Y
2A, 2B	6X6	300	EXIST	-	2	Y	Y	-	-	-	-	Y
2C, 2D	6X6	90	EXIST	-	DISCONNECT						-	-
3A	6X40	0	EXIST	-	3	Y	Y	-	-	-	-	Y
4A, 4B	6X6	300	EXIST	-	4	-	Y	-	-	-	-	Y
4C, 4D	6X40	0	EXIST	-	4	Y	Y	Y	2.0	5	-	Y
5A	6X40	0	EXIST	-	5	Y	Y	-	-	-	-	Y
6A, 6B	6X6	450	EXIST	-	6	Y	Y	-	-	-	-	Y
6C, 6D	6X6	90	EXIST	-	DISCONNECT						-	-
7A	6X40	0	EXIST	-	7	Y	Y	-	-	-	-	Y
8A, 8B	6X6	300	EXIST	-	8	-	Y	-	-	-	-	Y
8C, 8D	6X40	0	EXIST	-	8	Y	Y	Y	2.0	5	-	Y
S1	6X6	+320	EXIST	-	-	-	-	-	-	-	-	Y
S2	6X6	+320	EXIST	-	-	-	-	-	-	-	-	Y
S3	6X6	+570	EXIST	-	-	-	-	-	-	-	-	Y
S4	6X6	+570	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.
- 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.

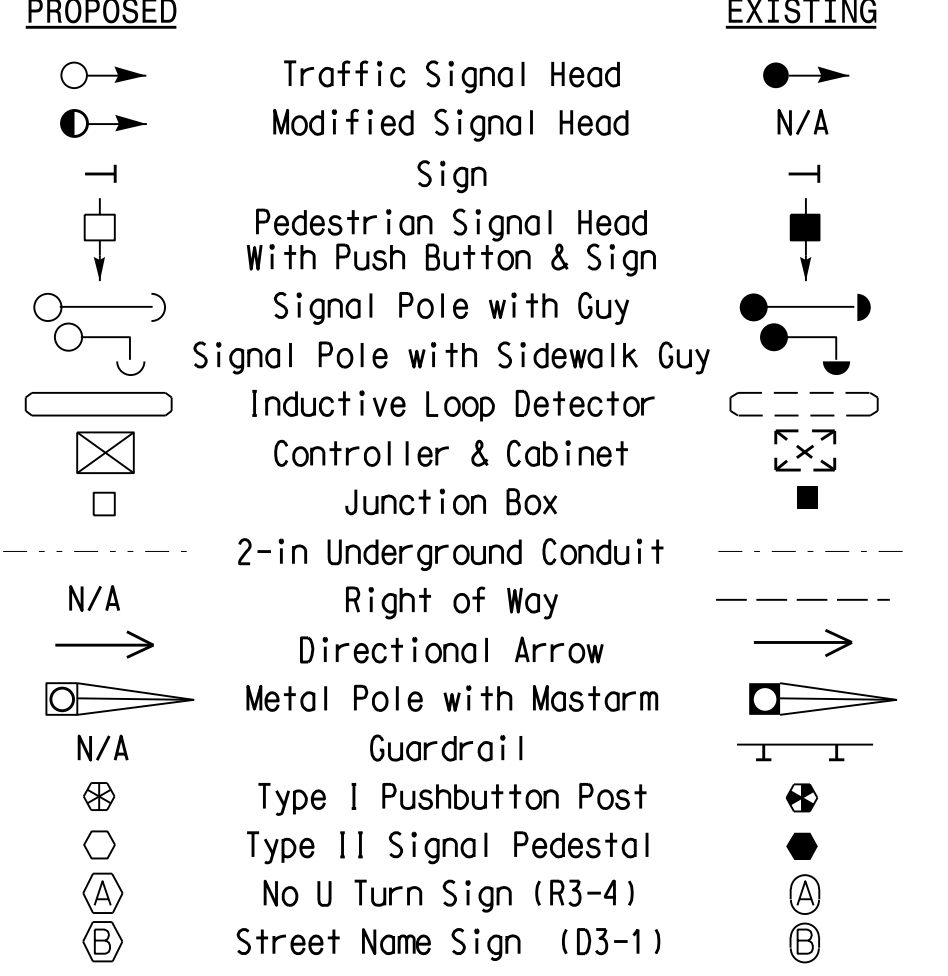


OASIS 2070 TIMING CHART

FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green 1 *	7	12	7	12	7	12	7	12
Extension 1 *	2.0	6.0	2.0	6.0	2.0	8.0	2.0	6.0
Max Green 1 *	15	90	15	45	15	90	15	45
Yellow Clearance	3.0	4.1	3.0	4.3	3.0	4.3	3.0	4.3
Red Clearance	2.9	2.1	3.8	2.2	3.2	2.2	3.7	2.1
Walk 1 *	-	7	-	7	-	7	-	-
Don't Walk 1	-	28	-	27	-	28	-	-
Seconds Per Actuation *	-	1.5	-	-	-	1.5	-	-
Max Variable Initial *	-	34	-	-	-	49	-	-
Time Before Reduction *	-	15	-	5	-	15	-	5
Time To Reduce *	-	30	-	15	-	30	-	15
Minimum Gap	-	3.0	-	3.0	-	3.0	-	3.0
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.

LEGEND



Signal Upgrade

Prepared In the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

SR 1278 (College Drive) at SR 1113 (E. Kivett Drive)

Division 7 Guilford County High Point

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

PREPARED BY: J. Galloway REVIEWED BY:

REVISIONS: _____ INIT. DATE

SCALE: 0 50 1"=50'

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER ROBERT J. ZIEMBA ENGINEER 026486 4/22/2015

SIG. INVENTORY NO. 07-0915

02-APR-2015 11:10 S:\MT\5558\115_Signal\Signal\Central_Regional\iv_74c-5558_High_Point\Signal_Plans\07-0915\070915_s1a_dsn_20150422.dgn
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