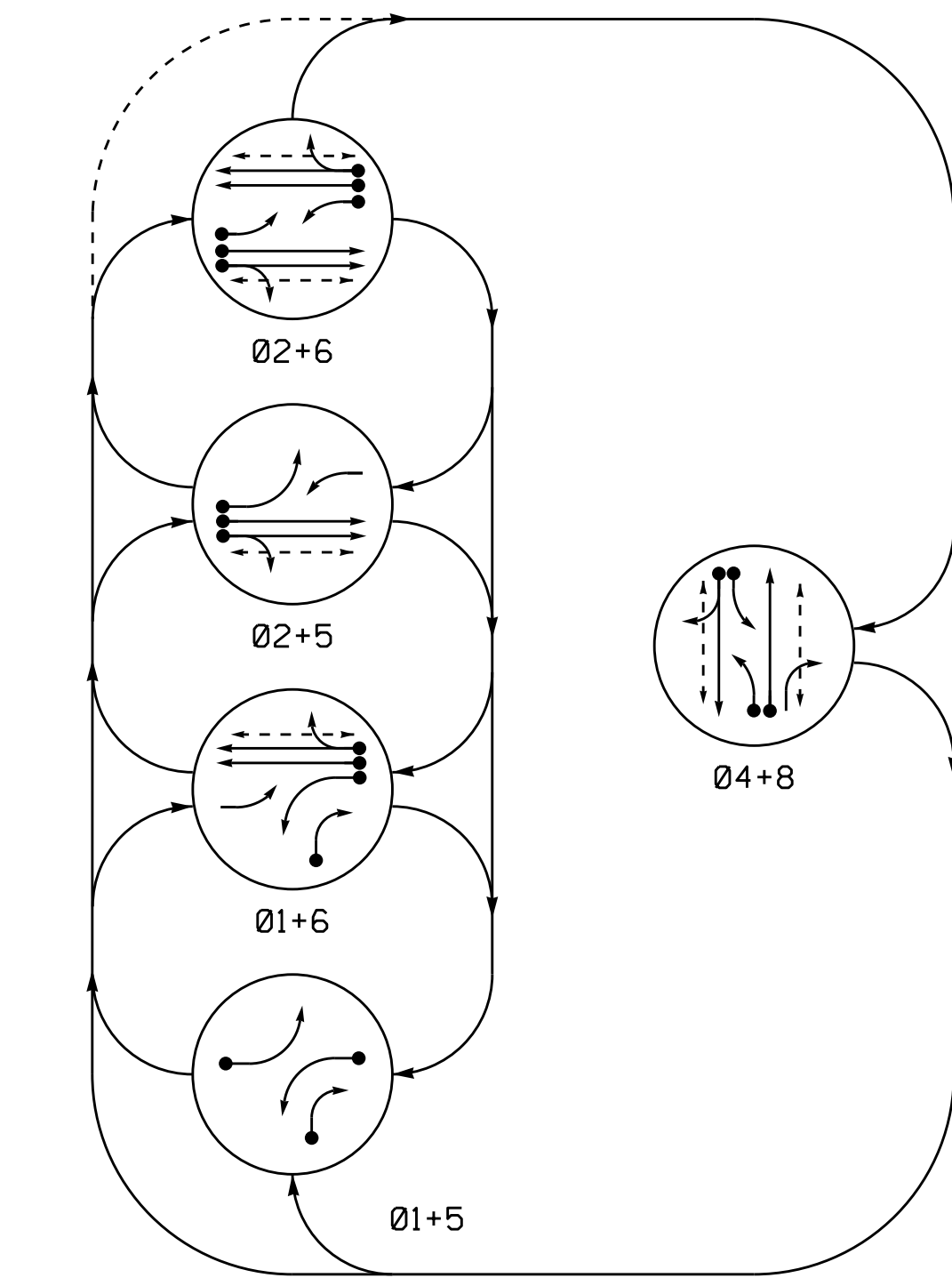


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

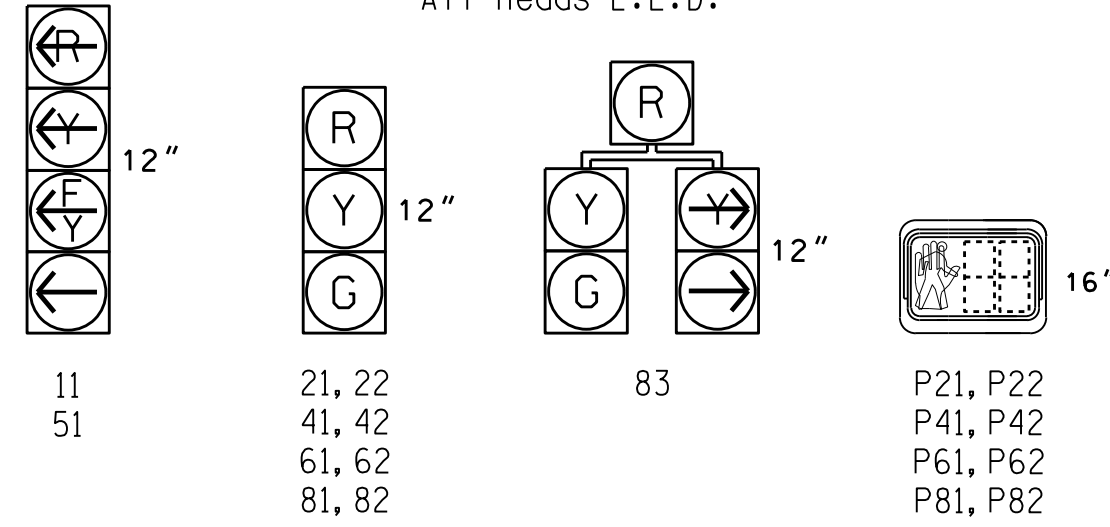
TABLE OF OPERATION

SIGNAL FACE	PHASE					F L
	01+5	02+5	02+6	04+8	01+6	
11	---	---	---	---	---	---
21, 22	R	R	G	G	R	Y
41, 42	R	R	R	R	G	R
51	---	---	---	---	---	---
61, 62	R	G	R	G	R	Y
81, 82	R	R	R	R	G	R
83	R	R	R	R	G	R
P21, P22	DW	DW	W	W	DW	DRK
P41, P42	DW	DW	DW	DW	W	DRK
P61, P62	DW	W	DW	W	DW	DRK
P81, P82	DW	DW	DW	W	DRK	---

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

SIGNAL FACE I.D.

All Heads L.E.D.



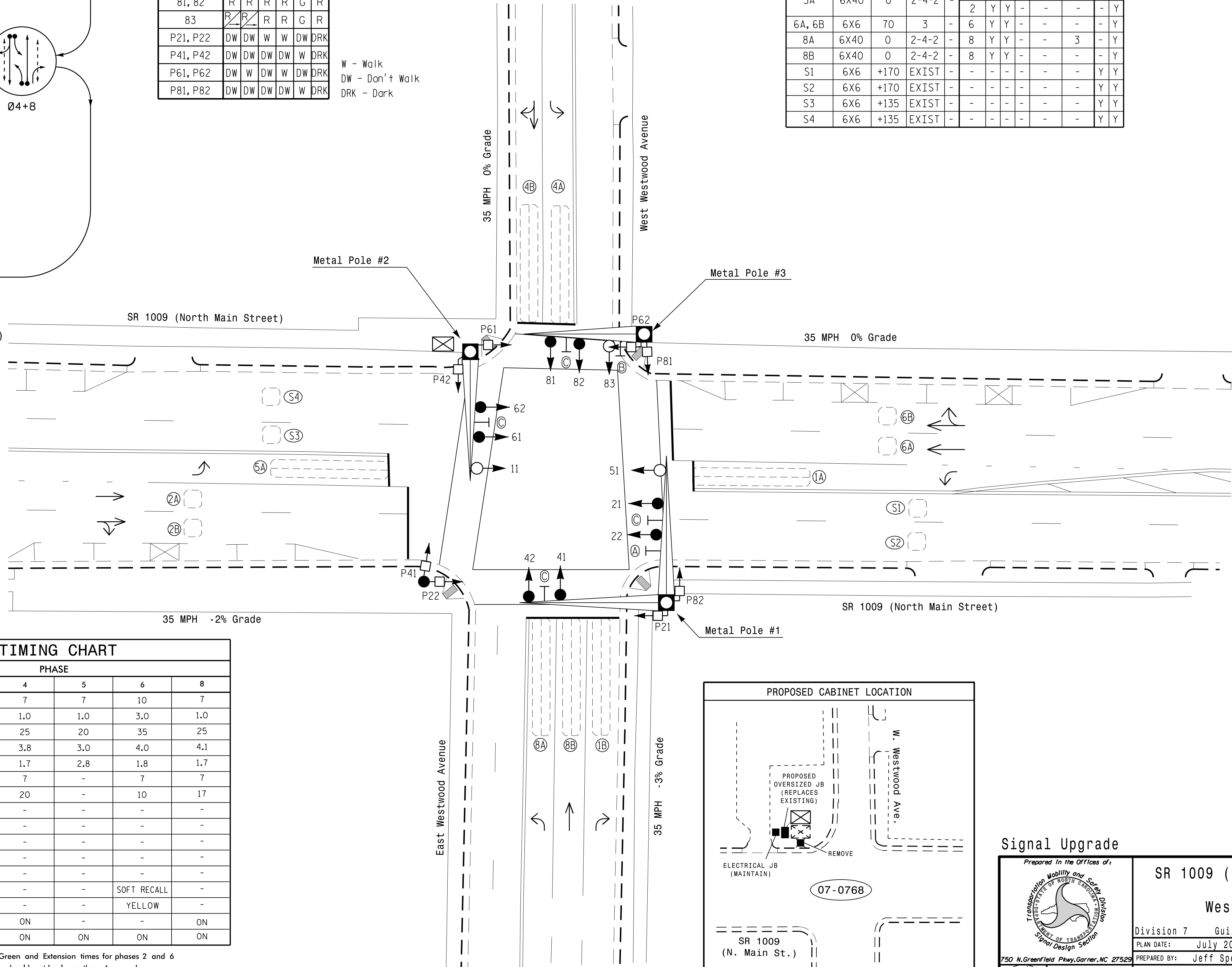
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
					PHASE	CALLING	EXTENSION	FULL TIME DELAY				
1A	6X40	0	2-4-2	-	1	Y	Y	-	-	15	-	Y
1B	6X40	0	2-4-2	-	1	Y	Y	-	-	15	-	Y
2A, 2B	6X6	70	3	-	2	Y	Y	-	-	-	-	Y
4A	6X40	0	2-4-2	-	4	Y	Y	-	-	3	-	Y
4B	6X40	0	2-4-2	-	4	Y	Y	-	-	10	-	Y
5A	6X40	0	2-4-2	-	5	Y	Y	-	-	15	-	Y
6A, 6B	6X6	70	3	-	6	Y	Y	-	-	-	-	Y
8A	6X40	0	2-4-2	-	8	Y	Y	-	-	3	-	Y
8B	6X40	0	2-4-2	-	8	Y	Y	-	-	-	-	Y
S1	6X6	+170	EXIST	-	-	-	-	-	-	-	-	Y
S2	6X6	+170	EXIST	-	-	-	-	-	-	-	-	Y
S3	6X6	+135	EXIST	-	-	-	-	-	-	-	-	Y
S4	6X6	+135	EXIST	-	-	-	-	-	-	-	-	Y

5 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.
- 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.
- Existing Right Arrow "ONLY" sign (R3-5R) may be removed at the direction of the Engineer.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



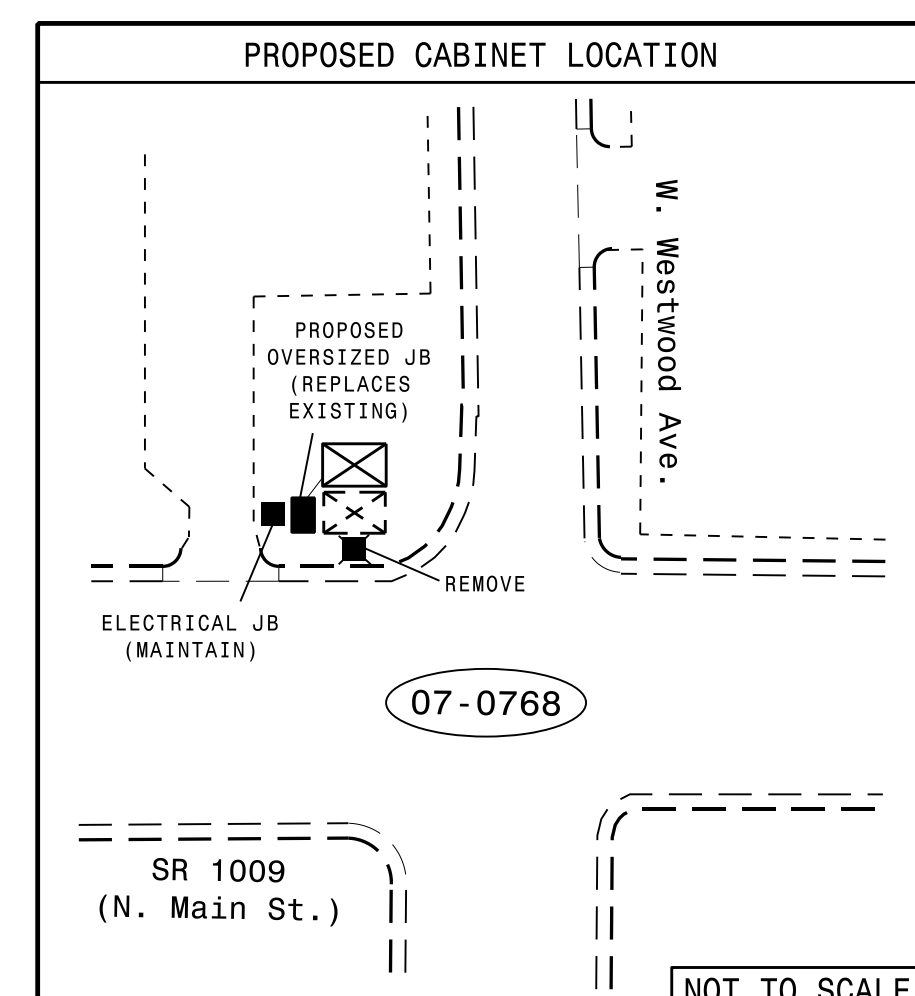
OASIS 2070 TIMING CHART

FEATURE	PHASE					
	1	2	4	5	6	8
Min Green 1*	7	10	7	7	10	7
Extension 1*	1.0	3.0	1.0	1.0	3.0	1.0
Max Green 1*	20	35	25	20	35	25
Yellow Clearance	3.0	4.0	3.8	3.0	4.0	4.1
Red Clearance	2.4	1.8	1.7	2.8	1.8	1.7
Walk 1*	-	7	7	-	7	7
Don't Walk 1	-	13	20	-	10	17
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	-	-	ON	-	-	ON
Simultaneous Gap	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

- |  |   |  |  |
|--|---|--|--|
|  | PROPOSED Traffic Signal Head                            |  | EXISTING Traffic Signal Head           |
|  | PROPOSED Modified Signal Head                           |  | EXISTING Modified Signal Head          |
|  | PROPOSED Sign   |  | EXISTING Sign                          |
|  | PROPOSED Pedestrian Signal Head With Push Button & Sign |  | EXISTING Pedestrian Signal Head        |
|  | PROPOSED Signal Pole with Guy                           |  | EXISTING Signal Pole with Guy          |
|  | PROPOSED Signal Pole with Sidewalk Guy                  |  | EXISTING Signal Pole with Sidewalk Guy |
|  | PROPOSED Inductive Loop Detector                        |  | EXISTING Inductive Loop Detector       |
|  | PROPOSED Controller & Cabinet                           |  | EXISTING Controller & Cabinet          |
|  | PROPOSED Junction Box                                   |  | EXISTING Junction Box                  |
|  | PROPOSED 2-in Underground Conduit                       |  | EXISTING 2-in Underground Conduit      |
|  | PROPOSED Right of Way                                   |  | EXISTING Right of Way                  |
|  | PROPOSED Directional Arrow                              |  | EXISTING Directional Arrow             |
|  | PROPOSED Metal Pole with Mastarm                        |  | EXISTING Metal Pole with Mastarm       |
|  | PROPOSED Curb Ramp                                      |  | EXISTING Curb Ramp                     |
|  | PROPOSED "NO TURN ON RED" Sign (R10-11)                 |  | EXISTING "NO TURN ON RED" Sign         |
|  | PROPOSED Right Arrow "ONLY" Sign (R3-5R)                |  | EXISTING Right Arrow "ONLY" Sign       |
|  | PROPOSED Street Name Sign (D3-1)                        |  | EXISTING Street Name Sign              |



Signal Upgrade

Prepared in the Offices of:  
  
 TRANSPORTATION MOBILITY AND SAFETY DIVISION  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 ROBERT J. ZIEMBA  
 750 N. Greenfield Pkwy, Garner, NC 27529  
 4/21/2015

SR 1009 (North Main Street) at Westwood Avenue

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 20 1"=20'

SIG. INVENTORY NO. 07-0768

21-Apr-2015 15:40  
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