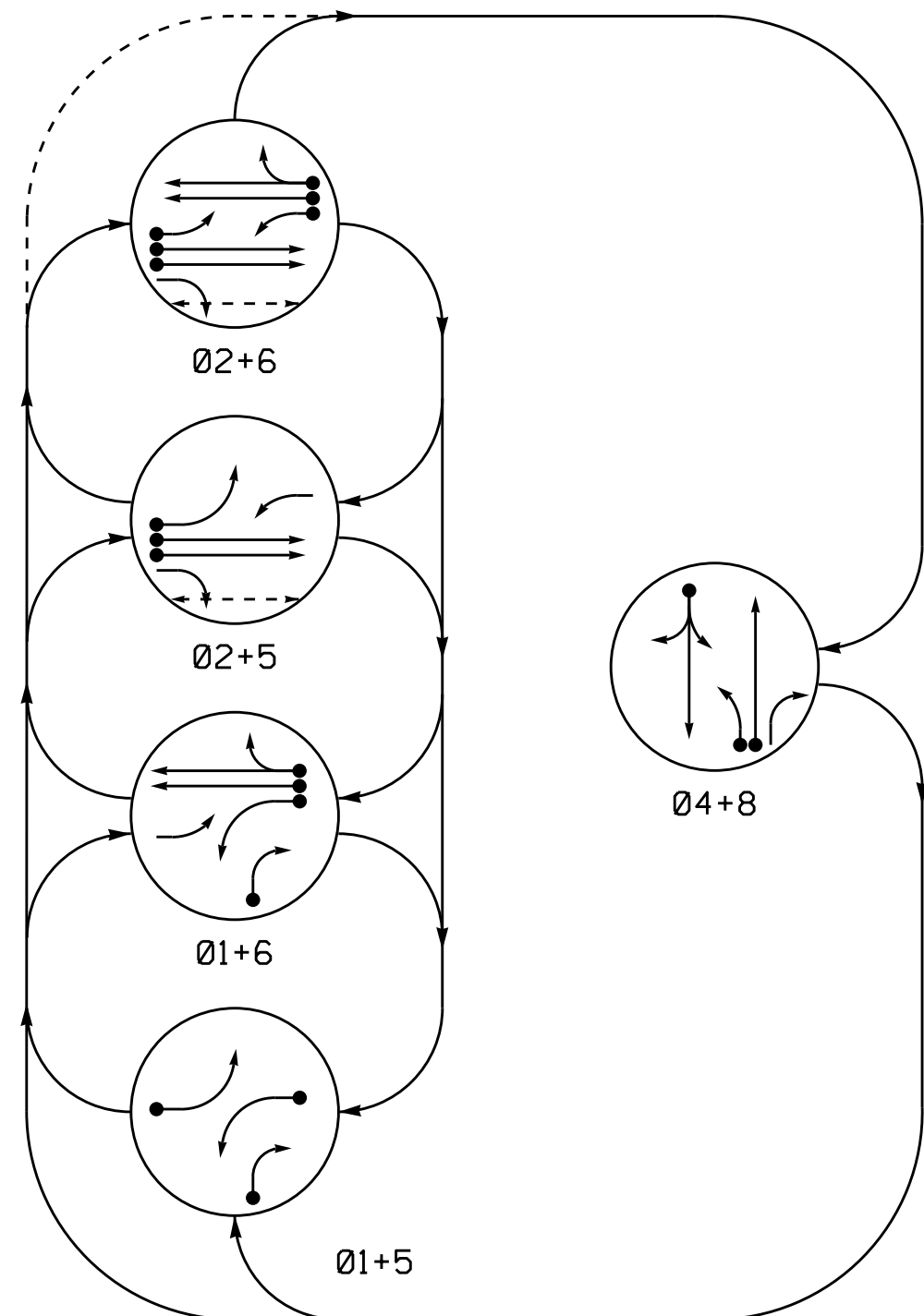


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

- ←●→ DETECTED MOVEMENT
- ←○→ UNDETECTED MOVEMENT (OVERLAP)
- ←---→ UNSIGNALIZED MOVEMENT
- ←- - -> PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE				
	01+5	01+6	02+5	02+6	F H V L R
11	←	←	←	←	←
21, 22	R	R	G	G	R
41, 42	R	R	R	R	G
51	←	←	←	←	←
61, 62	R	G	R	G	R
81	R	R	R	R	G
82	R	R	R	R	G
P21, P22	DW	DW	W	W	DW DRK

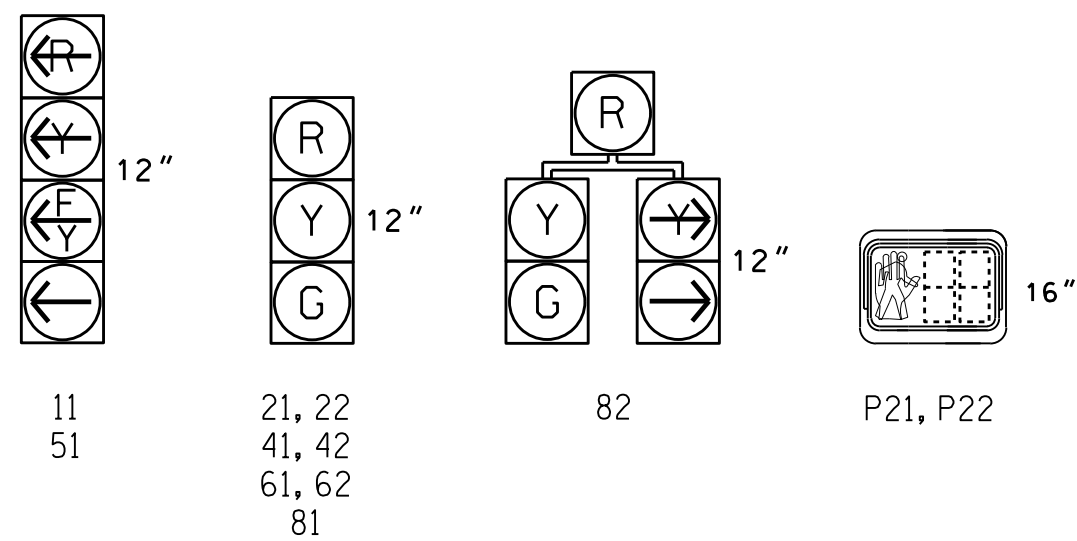
W - Walk
DW - Don't Walk
DRK - Dark

TABLE OF OPERATION

SIGNAL FACE	INTERVAL	
	1	2
101	ON	OFF

SIGNAL FACE I.D.

All Heads L.E.D.



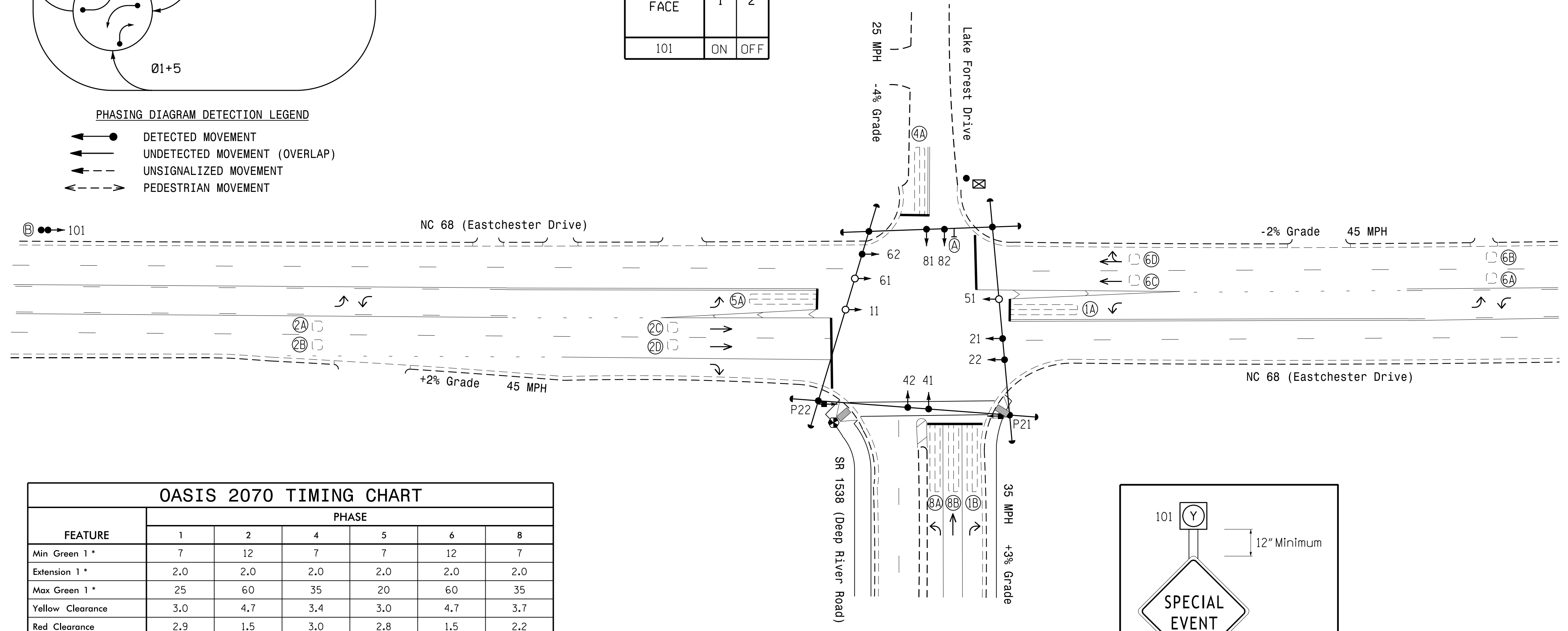
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

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	300	EXIST	-	2	Y	Y	-	1.6	-	Y
2C, 2D	6X6	90	EXIST	-	2	Y	Y	-	-	-	Y
4A	6X40	0	2-4-2	-	4	Y	Y	-	10	-	Y
5A	6X40	0	2-4-2	-	5	Y	Y	-	15	-	Y
6A, 6B	6X6	300	EXIST	-	2	Y	Y	-	1.6	-	Y
6C, 6D	6X6	90	EXIST	-	6	Y	Y	-	-	-	Y
8A	6X40	0	2-4-2	-	8	Y	Y	-	-	-	Y
8B	6X40	0	2-4-2	-	8	Y	Y	-	-	-	Y

5 Phase Fully Actuated (High Point Signal System)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 and/or phase 5 may be lagged.
4. Reposition existing signal heads numbered 21, 22 and 62.
5. Set all detector units to presence mode.
6. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
7. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
8. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
9. Pavement markings are existing.
10. The Division Traffic Engineer will determine the hours of use for the special events flasher.
11. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



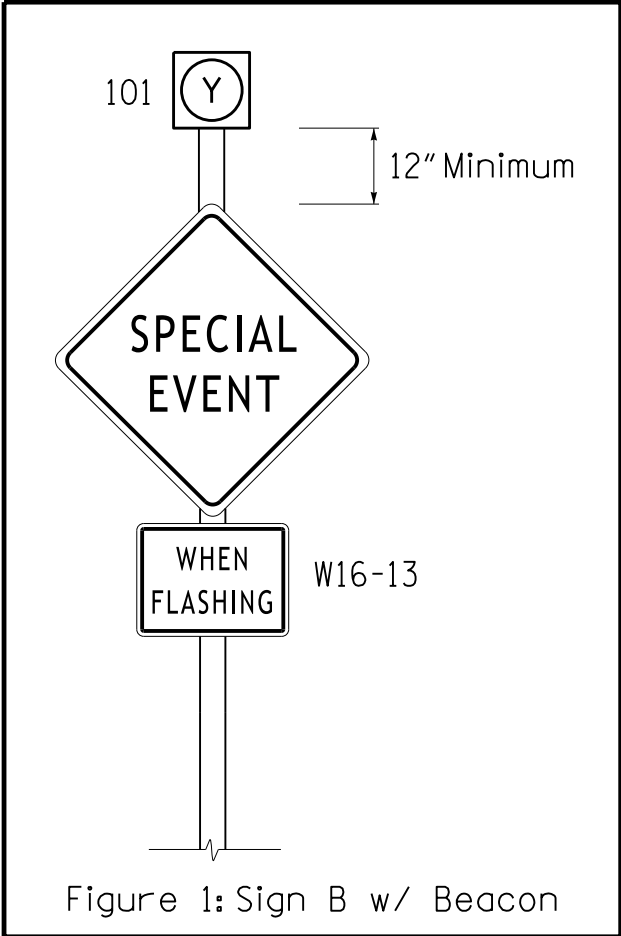
OASIS 2070 TIMING CHART

FEATURE	PHASE					
	1	2	4	5	6	8
Min Green 1 *	7	12	7	7	12	7
Extension 1 *	2.0	2.0	2.0	2.0	2.0	2.0
Max Green 1 *	25	60	35	20	60	35
Yellow Clearance	3.0	4.7	3.4	3.0	4.7	3.7
Red Clearance	2.9	1.5	3.0	2.8	1.5	2.2
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	7	-	-	-	-
Don't Walk 1	-	20	-	-	-	-
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 | EXISTING |
| ○→ Traffic Signal Head | ●→ N/A |
| ●→ Modified Signal Head | ○→ N/A |
| □ Sign | □ Sign |
| □ Pedestrian Signal Head | □ Pedestrian Signal Head |
| □ Signal Pole with Guy | □ Signal Pole with Sidewalk Guy |
| □ Inductive Loop Detector | □ Inductive Loop Detector |
| □ Controller & Cabinet | □ Junction Box |
| □ Junction Box | □ 2-in Underground Conduit |
| N/A Right of Way | N/A Right of Way |
| → Directional Arrow | → Directional Arrow |
| N/A Curb Ramp | ⊕ Type I Pushbutton Post |
| ⊕ Type I Pushbutton Post | ⊕ Right Arrow "ONLY" Sign (R3-5R) |
| ⊕ Right Arrow "ONLY" Sign (R3-5R) | ⊕ "SPECIAL EVENT" Sign w/ Beacon (Figure 1) |
| ⊕ "SPECIAL EVENT" Sign w/ Beacon (Figure 1) | |



Signal Upgrade

Prepared In the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

NC 68 (Eastchester Drive) at SR 1538 (Deep River Road) / Lake Forest Drive

Division 7 Guilford County High Point

PLAN DATE: May 2014 PREPARED BY: T.L. Averette

PREPARED BY: L. Blount REVIEWED BY:

REVISIONS INIT. DATE

SCALE 0 40 1"=40'

SEAL

PROFESSIONAL ENGINEER

ROBERT J. ZEMER

4/2/2015

SIG. INVENTORY NO. 07-2101

02-09-2015 12:41
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