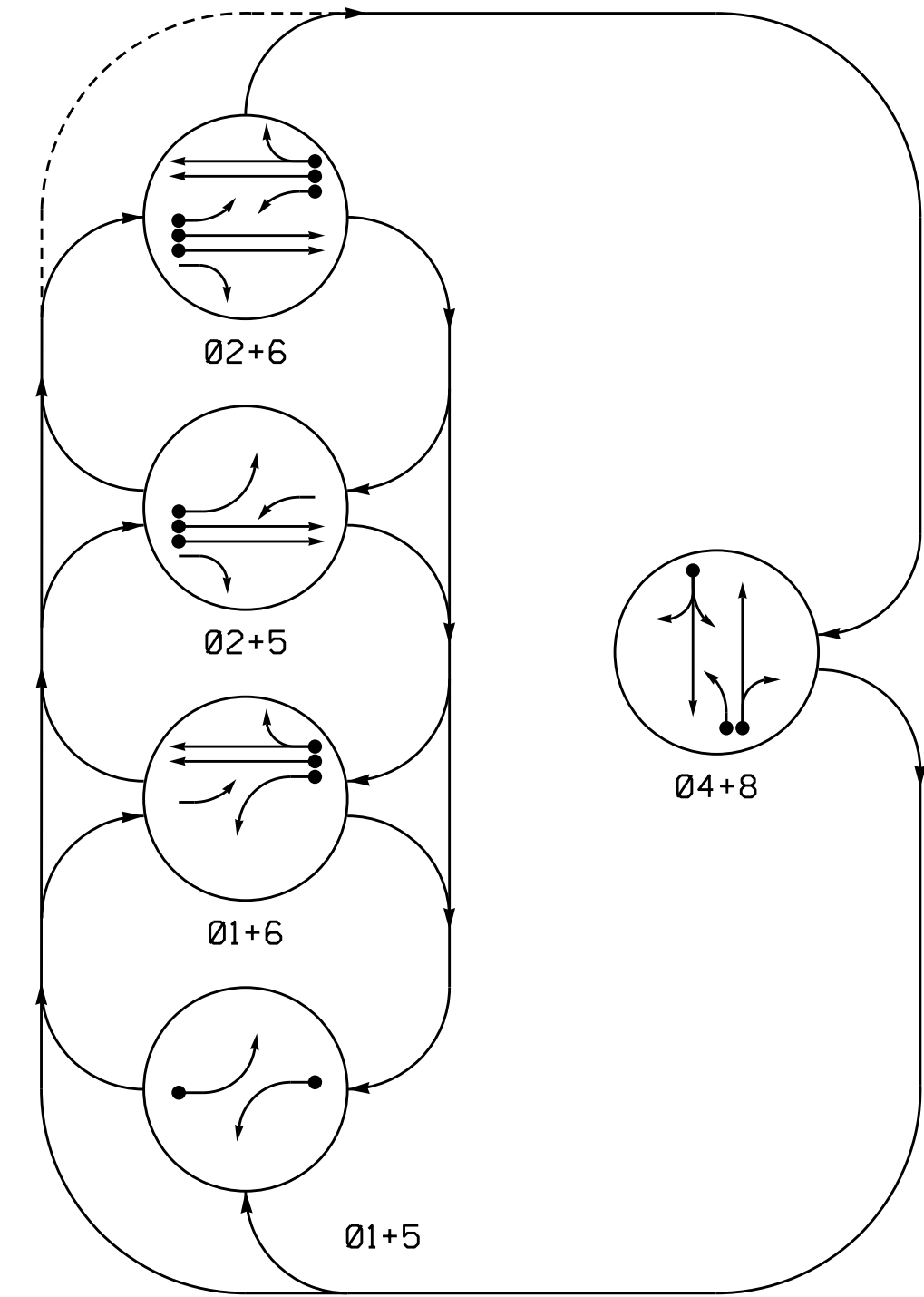


PHASING DIAGRAM



SIGNAL FACE	PHASE				
	01+5	01+6	02+5	02+6	04+8
11	—	—	F	F	R
21,22	R	R	G	G	R
41,42,43	R	R	R	R	G
51	—	F	—	F	R
61,62	R	G	R	G	R
81	R	R	R	R	F
82,83,84	R	R	R	R	G

SIGNAL FACE	INTERVAL	
	1	2
101	ON	OFF

ZONE	INDUCTIVE LOOPS			DETECTOR PROGRAMMING					
	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME
1A*	*	0	*	1	Y	Y	-	-	15
2A*	*	300	*	2	Y	Y	-	1.6	-
2B*	*	90	*	2	Y	Y	-	-	-
4A*	*	0	*	4	Y	Y	-	-	10
5A*	*	0	*	5	Y	Y	-	-	15
6A*	*	300	*	6	Y	Y	-	1.6	-
6B*	*	90	*	6	Y	Y	-	-	-
8A*	*	0	*	8	Y	Y	-	-	3
8B*	*	0	*	8	Y	Y	-	-	10
S1*	*	+125	*	-	-	-	-	-	Y*
S2*	*	+125	*	-	-	-	-	-	Y*

*Multi-Zone Microwave Detection

5 Phase Fully Actuated (High Point Signal System)

NOTES

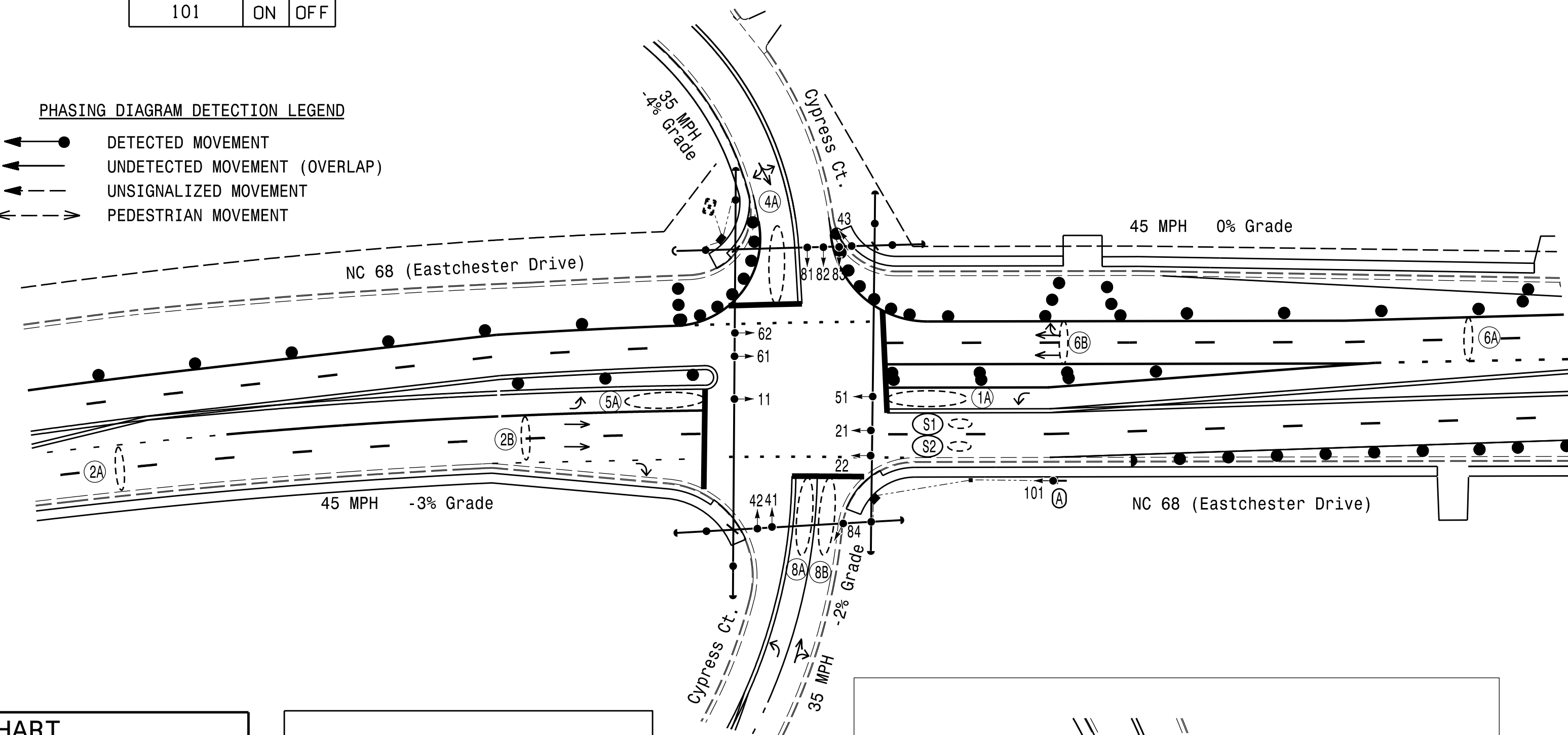
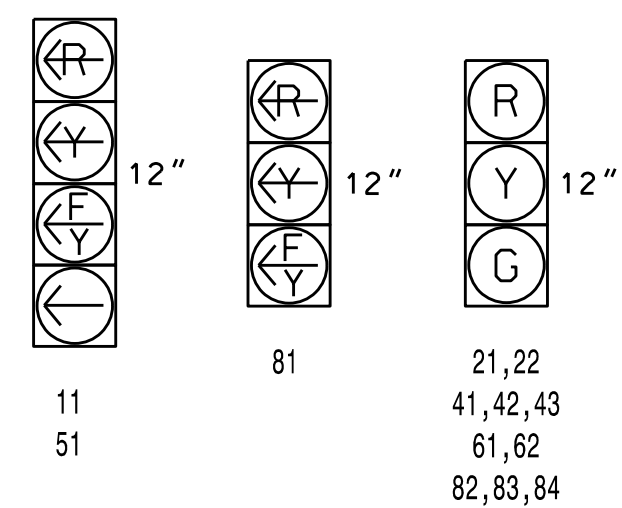
- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or phase 5 may be lagged.
- Reposition existing signal heads numbered 11, 21, 22, and 51.
- Set all detector units to presence mode.
- A multiple zone microwave detection system is used to provide traffic detection during this temporary phase on approaches where the existing loops and lead-ins have been rendered inoperable by construction. Perform installation according to manufacturer's directions and NCDOT engineer-approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.
- 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.
- The Division (City) Traffic Engineer will determine the hours of use for the special events beacon.

PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE I.D.

All Heads L.E.D.

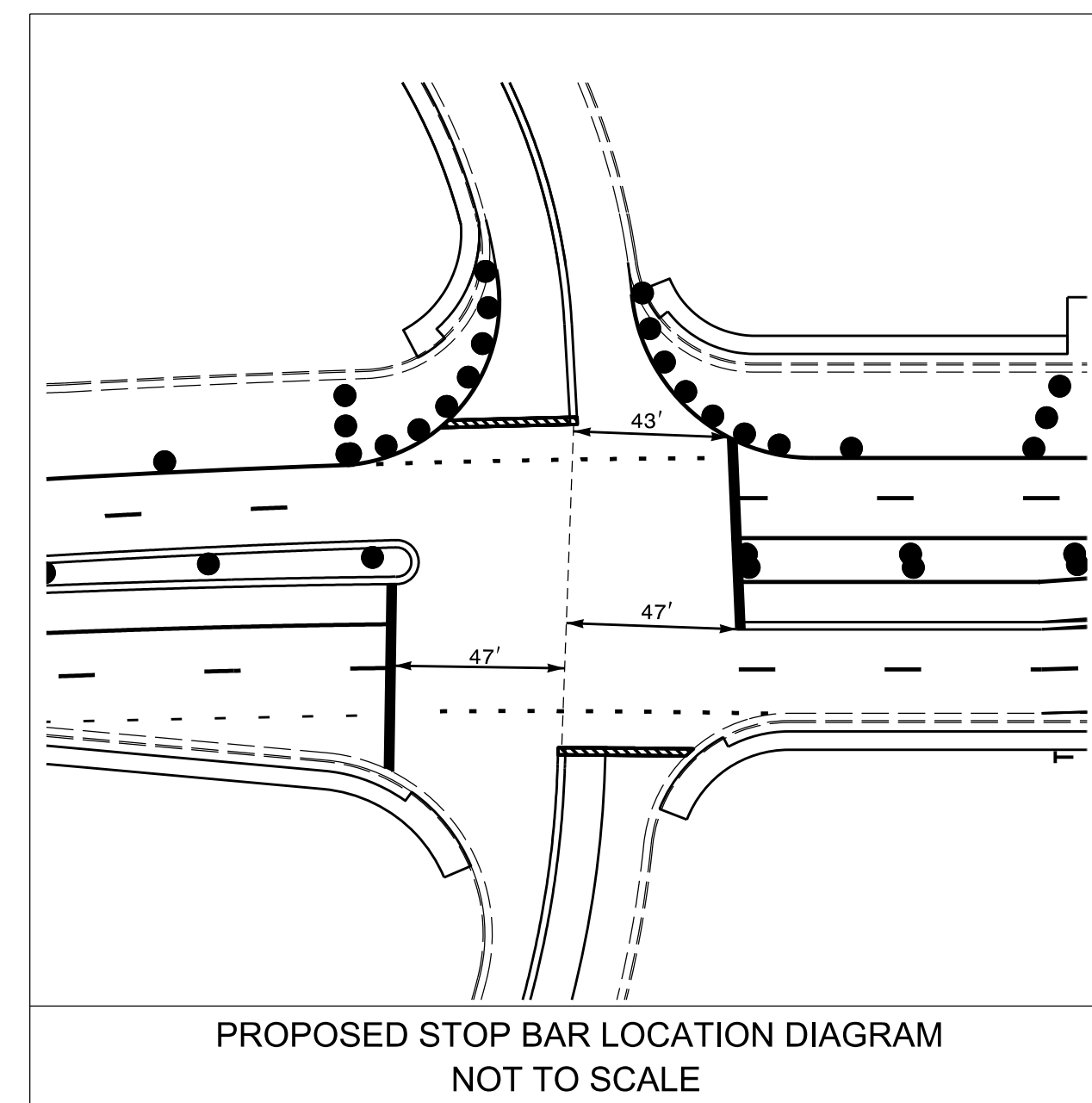
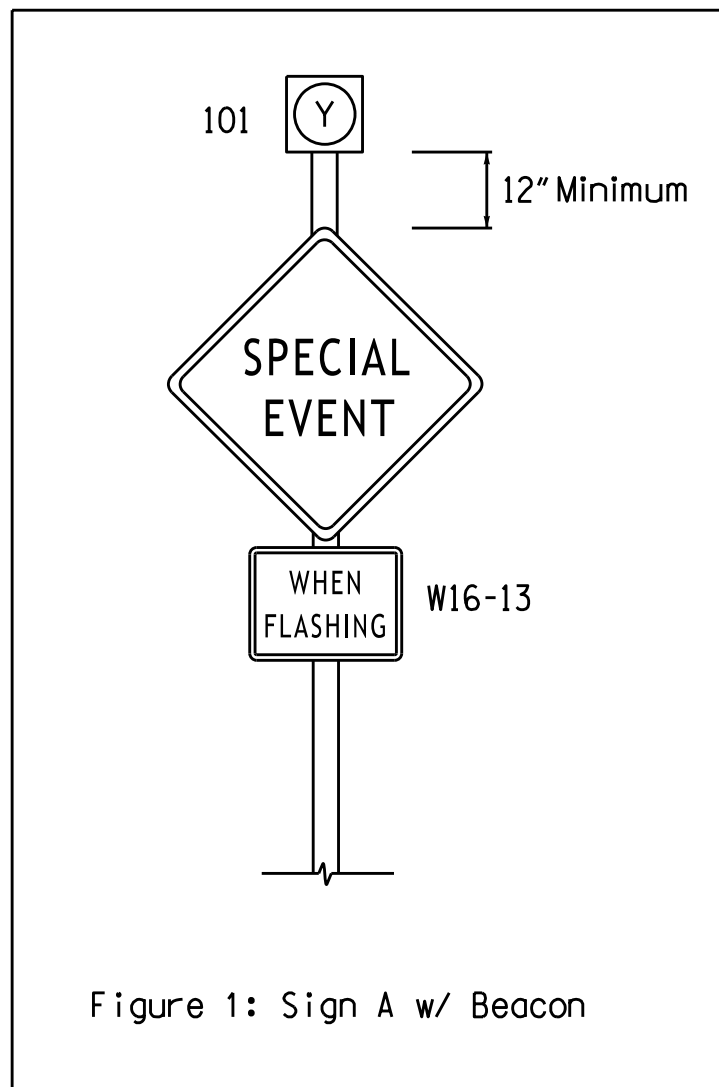


LEGEND

PROPOSED	EXISTING
Traffic Signal Head	N/A
Modified Signal Head	N/A
Sign	N/A
Pedestrian Signal Head With Push Button & Sign	N/A
Metal Pole with Mastarm	N/A
Inductive Loop Detector	N/A
Microwave Detection Zone	N/A
Controller & Cabinet	N/A
Junction Box	N/A
Oversize Junction Box	N/A
2-in Underground Conduit	N/A
Directional Drill	N/A
Right of Way	N/A
Directional Arrow	N/A
Curb Ramp	N/A
Construction Zone	N/A
Construction Zone Drums	N/A
"SPECIAL EVENT" Sign w/Beacon (Figure 1)	N/A

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	6.0	2.0
Max Green 1*	20	90	30	20	2.0	30
Yellow Clearance	3.0	4.8	4.1	3.0	4.8	4.1
Red Clearance	2.1	1.2	1.6	2.4	1.2	1.6
Walk 1*	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-
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.



Project #: 170908

DAVENPORT

HOME OFFICE:
119 BROOKSTOWN AVENUE, SUITE PH1
WINSTON-SALEM, NC 27101
336.744.1636 www.davenportworld.com
NCBELS FIRM LICENSE NO. C-2522

Signal Upgrade - Temporary Design 3; TMP-32

<p>Prepared For: TRANSPORTATION MOBILITY AND SAFETY DIVISION U.S. DEPARTMENT OF TRANSPORTATION SIGNAL DESIGN SECTION</p>		<p>NC 68 (Eastchester Dr.) at Cypress Ct.</p>		<p>Division 7 Guilford County High Point</p>										
<p>PLAN DATE: May 2018</p>		<p>REVIEWED BY: R. Hinshaw</p>		<p>SEAL</p>										
<p>PREPARED BY: L. Boyer</p>		<p>REVIEWED BY:</p>		<p>SEAL ROYAL HINSHAW ENGINEER 032117</p>										
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>INIT.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						NO.	INIT.	DATE						
NO.	INIT.	DATE												
<p>SCALE: 0 to 50 1" = 50'</p>				<p>DocuSigned by: St. Royal Hinshaw 05/20/2018 SIGNATURE DATE</p>										

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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SIG. INVENTORY NO. 07-147013