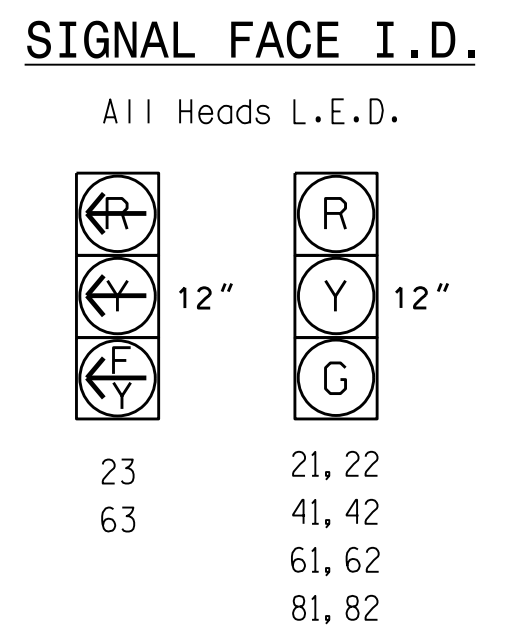


### TABLE OF OPERATION

SIGNAL FACE	PHASE		
	02+6	04+8	FL
21, 22	G R Y		
23	F	F	F
41, 42	R G R		
61, 62	G R Y		
63	F	F	F
81, 82	R G R		



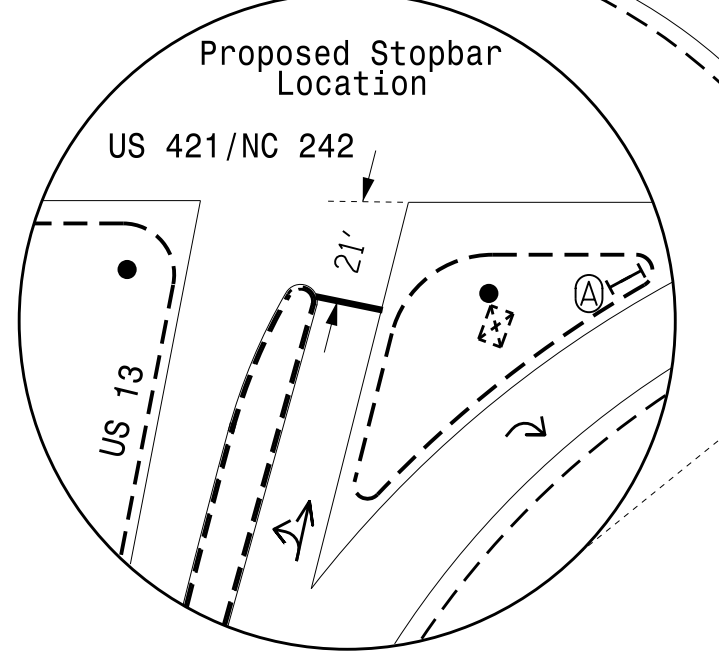
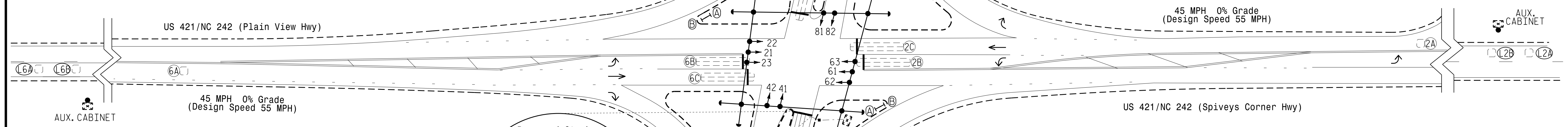
### OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A	6X6	420	4	-	2	-	Y	-	4	-	-	-
2B	6X40	+5	2-4-2	-	2	Y	Y	Y	-	3	-	-
2C	6X40	+5	2-4-2	-	2	Y	Y	-	-	-	-	-
4A	6X6	420	4	-	4	-	Y	-	4	-	-	-
4B	6X40	+5	2-4-2	-	4	Y	Y	-	-	-	-	-
6A	6X6	420	4	-	6	-	Y	-	4	-	-	-
6B	6X40	+5	2-4-2	-	6	Y	Y	Y	-	3	-	-
6C	6X40	+5	2-4-2	-	6	Y	Y	-	-	-	-	-
8A	6X6	420	4	Y	8	-	Y	-	4	-	-	-
8B	6X40	0	2-4-2	Y	8	Y	Y	-	-	-	-	-

2 Phase Fully Actuated Isolated

### 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. Set all detector units to presence mode.



### OASIS 2070 TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	18	18	18	18
Extension 1 *	2.0	2.0	2.0	2.0
Max Green 1 *	60	60	60	60
Yellow Clearance	5.2	5.2	5.2	5.2
Red Clearance	1.0	1.0	1.0	1.0
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	NONE	NONE	NONE	NONE
Vehicle Call Memory	NONE	NONE	NONE	NONE
Dual Entry	ON	ON	ON	ON
Simultaneous Gap	ON	ON	ON	ON

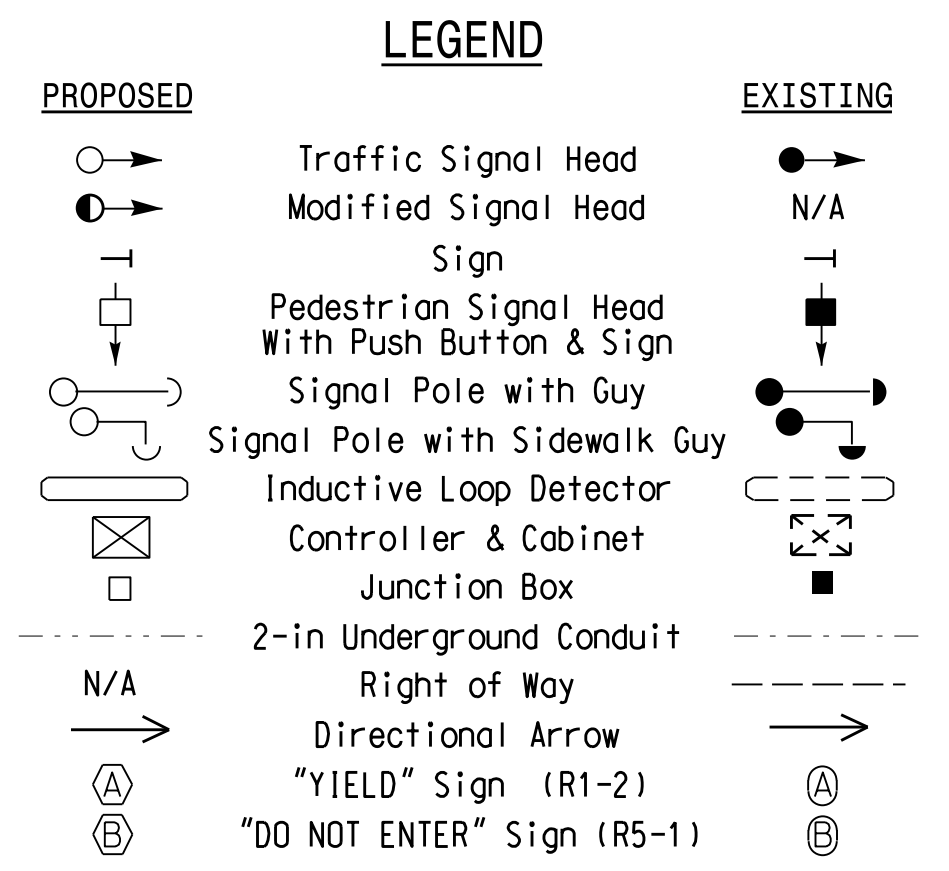
### OASIS LVDS PREEMPT

FUNCTION	PRE 7&8
Interval 1 - Dwell Green	255
Interval 1 - Dwell Yellow	0.0*
Interval 1 - Dwell Red	0.0*
Interval 5 - Exit Green	1
Interval 5 - Yellow	0.0
Interval 5 - Red	0.0
Exit Phase(s)	2,6
Priority	High
Delay Time	0.0
Min Green Before Pre	1
Ped Clear Before Pre	0
Yellow Clear Before Pre	5.2
Red Clear Before Pre	7.8
Dwell Min Time	10
Enable Backup Protection	N
Ped Clear Through Yellow	N
Omit Overlaps	-

### LONG VEHICLE OVERSPEED DETECTION SYSTEM LOOP & DETECTOR INSTALLATION CHART

LOOP NO.	SIZE (FT)	TURNS	DIST. FROM STOPBAR (ft)	NEW EXISTING	DETECTOR UNITS							
					INDUCTIVE LOOPS	INDUCTIVE LOOPS	INDUCTIVE LOOPS	INDUCTIVE LOOPS	INDUCTIVE LOOPS			
L2A	6X6	4	1003	X	1	1	1	2*	NONE	- SEC.	2	NO
L2B	6X6	4	975	X	1	1	2	2*	NONE	- SEC.	2	NO
L4A	6X6	4	1003	X	2	2	1	4*	NONE	- SEC.	4	NO
L4B	6X6	4	975	X	2	2	2	2	NONE	- SEC.	4	NO
L6A	6X6	4	1003	X	1	1	1	6*	NONE	- SEC.	6	NO
L6B	6X6	4	975	X	1	1	2	2	NONE	- SEC.	6	NO
L8A	6X6	4	1003	X	2	2	1	8*	NONE	- SEC.	8	NO
L8B	6X6	4	975	X	2	2	2	2	NONE	- SEC.	8	NO
LVDS EXTEND TIME				13 SEC.				2, 4, 6, 8				

\*Phase hold output to controller



\* 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.

\* Time defaults to time used for phase during normal operation

Signal Upgrade

750 N. Greenfield Pkwy, Garner, NC 27529

US 421/NC 242  
at  
US 13

Division 3 Sampson County Spivey's Corner

PLAN DATE: March 2017 REVIEWED BY: JPG, PE

PREPARED BY: EM Minshew REVIEWED BY:

REVISIONS INIT. DATE

SCALE 0 40  
1"=40'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

DocuSigned by: Jason P. Galloway 5/4/2017

SIGNATURE DATE

SIG. INVENTORY NO. 03-0159

04-MAY-2017 14:51  
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 emminshew