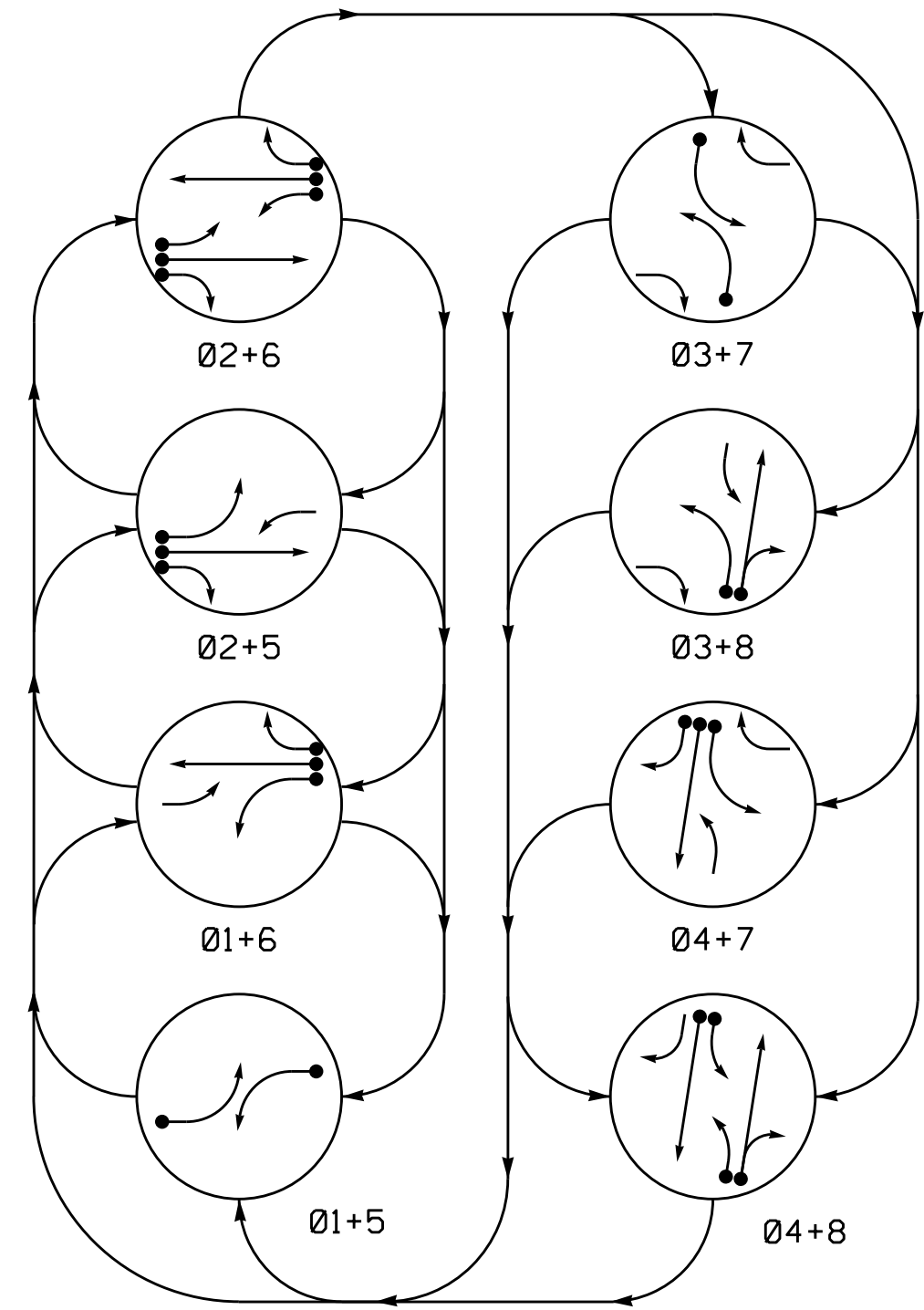
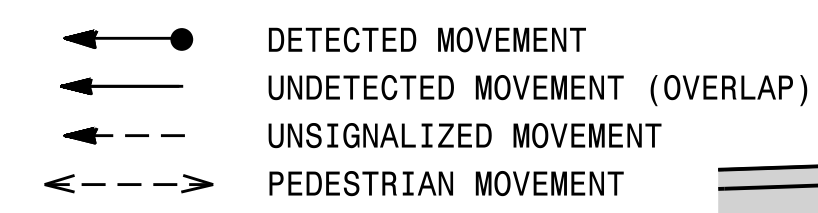


PHASING DIAGRAM

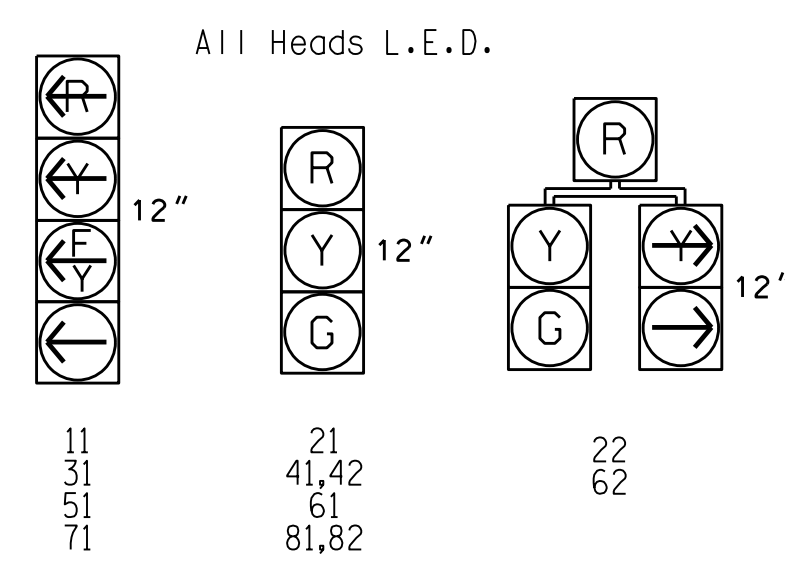


PHASING DIAGRAM DETECTION LEGEND



SIGNAL FACE	PHASE							
	01+5	01+6	02+5	02+6	03+7	03+8	04+7	04+8
11	←	←	←	←	←	←	←	←
21	R	R	G	G	R	R	R	Y
22	R	R	G	G	R	R	R	Y
31	←	←	←	←	←	←	←	←
41,42	R	R	R	R	R	R	G	G
51	←	←	←	←	←	←	←	←
61	R	G	R	G	R	R	R	Y
62	R	G	R	G	R	R	R	Y
71	←	←	←	←	←	←	←	←
81,82	R	R	R	R	R	G	R	G

SIGNAL FACE I.D.



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

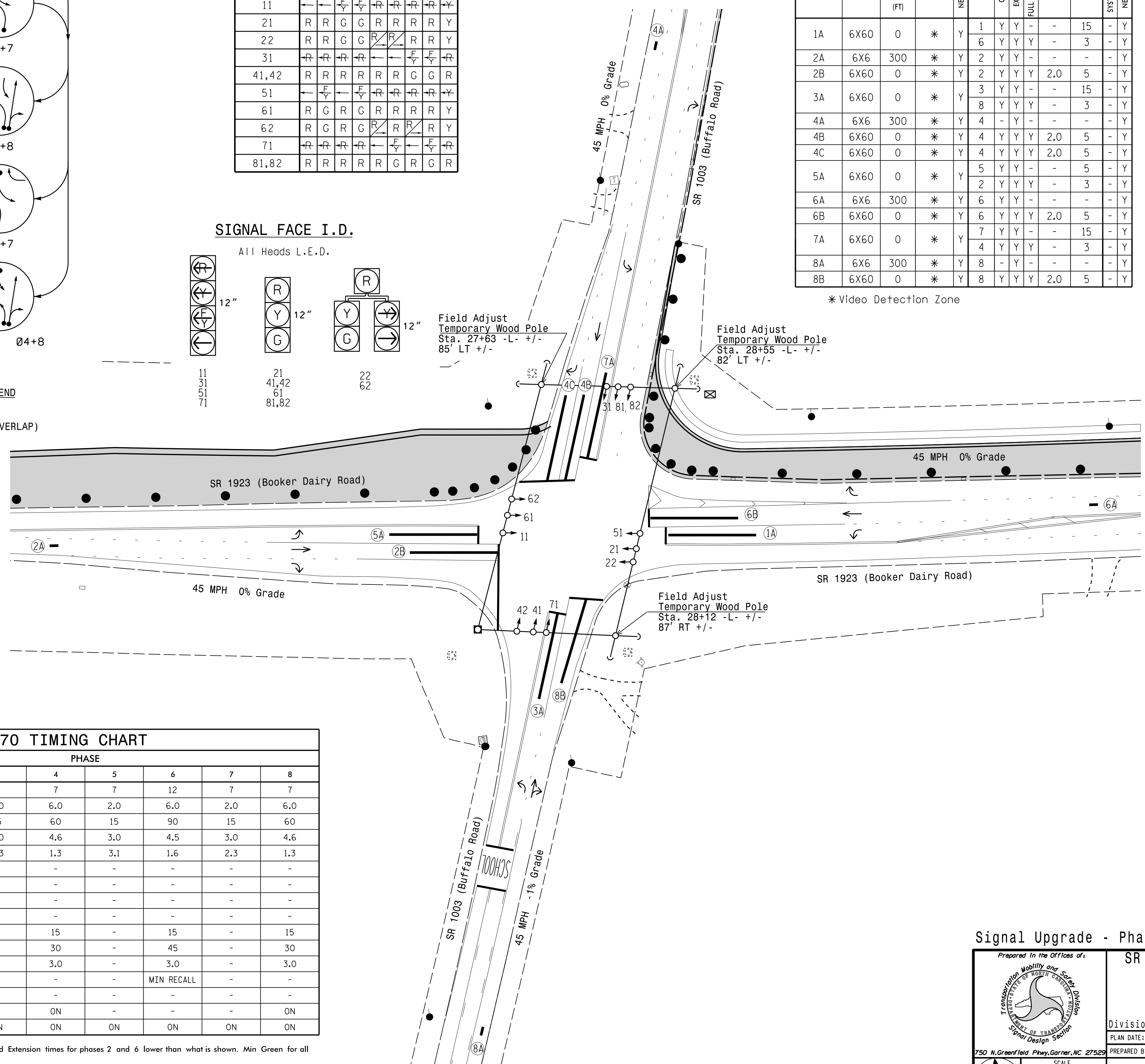
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	STRETCH TIME			DELAY TIME
1A	6X60	0	*	Y	1	Y	Y	-	15	-	Y
2A	6X6	300	*	Y	2	Y	Y	-	-	-	Y
2B	6X60	0	*	Y	2	Y	Y	2.0	5	-	Y
3A	6X60	0	*	Y	3	Y	Y	-	15	-	Y
4A	6X6	300	*	Y	4	-	Y	-	-	-	Y
4B	6X60	0	*	Y	4	Y	Y	2.0	5	-	Y
4C	6X60	0	*	Y	4	Y	Y	2.0	5	-	Y
5A	6X60	0	*	Y	5	Y	Y	-	5	-	Y
6A	6X6	300	*	Y	6	Y	Y	-	-	-	Y
6B	6X60	0	*	Y	6	Y	Y	2.0	5	-	Y
7A	6X60	0	*	Y	7	Y	Y	-	15	-	Y
8A	6X6	300	*	Y	8	-	Y	-	-	-	Y
8B	6X60	0	*	Y	8	Y	Y	2.0	5	-	Y

\* Video Detection Zone

8 Phase Fully Actuated Isolated

NOTES

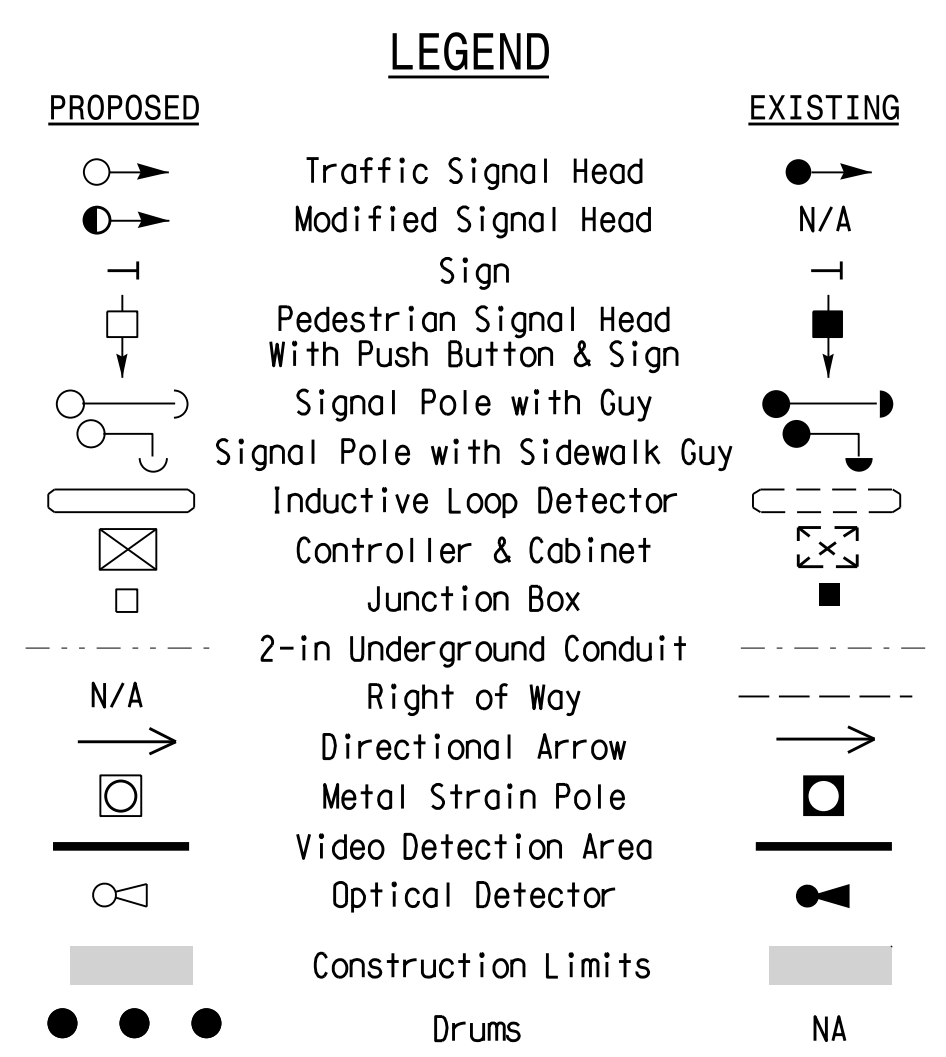
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 and/or phase 5 may be lagged.
4. Phase 3 and/or phase 7 may be lagged.
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.



OASIS 2070 TIMING CHART

FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green 1 *	7	12	7	7	7	12	7	7
Extension 1 *	2.0	6.0	2.0	6.0	2.0	6.0	2.0	6.0
Max Green 1 *	15	90	15	60	15	90	15	60
Yellow Clearance	3.0	4.5	3.0	4.6	3.0	4.5	3.0	4.6
Red Clearance	2.8	1.6	2.3	1.3	3.1	1.6	2.3	1.3
Walk 1 *	-	-	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-	-	-
Seconds Per Actuation *	-	-	-	-	-	-	-	-
Max Variable Initial *	-	-	-	-	-	-	-	-
Time Before Reduction *	-	15	-	15	-	15	-	15
Time To Reduce *	-	45	-	30	-	45	-	30
Minimum Gap	-	3.0	-	3.0	-	3.0	-	3.0
Recall Mode	-	MIN RECALL	-	-	-	MIN RECALL	-	-
Vehicle Call Memory	-	-	-	-	-	-	-	-
Dual Entry	-	-	-	ON	-	-	-	ON
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.



Signal Upgrade - Phase 1 - Temp 1

SR 1923 (Booker Dairy Road)  
at  
SR 1003 (Buffalo Road)

Division 4 Johnston County Smithfield

PLAN DATE: August 2017 REVIEWED BY: JPG

PREPARED BY: KGP, Jr. REVIEWED BY:

SEAL

DATE: 9/8/2017