

	DETECTED MOVEMENT
	UNDETECTED MOVEMENT (OVERLAP)
	UNSIGNALIZED MOVEMENT
	PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE						
	1 + 5	1 + 6	2 + 5	2 + 6	3	4	F L A S H
11	←	←	←	←	←	←	←
21, 22	R	R	G	G	R	R	R
31	R	R	R	R	G	R	R
32	R	R	R	R	G	R	R
33	R	R	R	R	G	R	R
41	R	R	R	R	G	R	R
42	R	R	R	R	G	R	R
43	R	R	R	R	G	R	R
51	←	←	←	←	←	←	←
61, 63	R	G	R	G	R	R	R
62	R	G	R	G	R	R	R

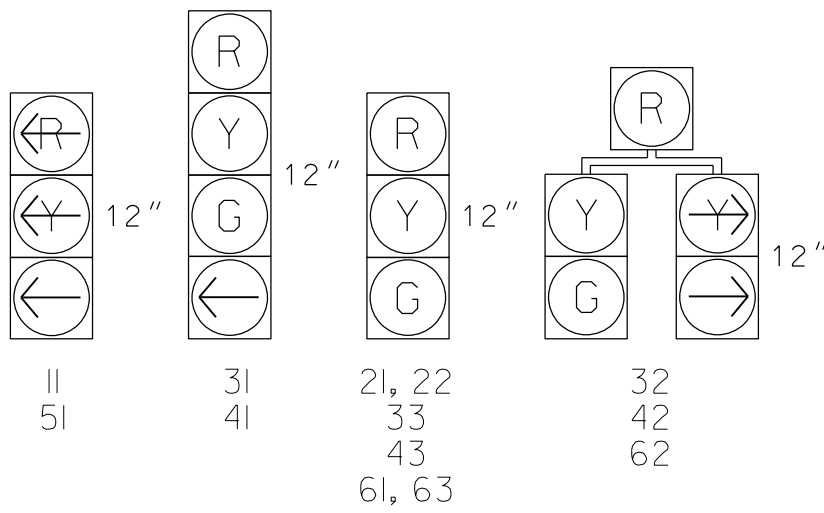
DETECTION					PROGRAMMING							
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW	PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE	SYSTEM ZONE	NEW CARD
1A*	6X40	0	*	*	1	Yes	-	-	-	N	-	*
1B*	6X40	0	*	*	1	Yes	-	15.0	-	N	-	*
2A*	6X6	300	*	*	2	Yes	-	-	X	N	-	*
3A*	6X40	0	*	*	3	Yes	-	3.0	-	N	-	*
4A*	6X40	0	*	*	4	Yes	-	3.0	-	N	-	*
5A*	6X40	0	*	*	5	Yes	-	-	-	N	-	*
5B*	6X40	0	*	*	5	Yes	-	15.0	-	N	-	*
6A*	6X6	300	*	*	6	Yes	-	-	X	N	-	*
6B*	6X6	300	*	*	6	Yes	-	-	X	N	-	*

* Non-Intrusive Detection Zone

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
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. The order of phase 3 and phase 4 may be reversed.
5. Reposition existing signal heads numbered 21, 22, 61 and 63.
6. Set all detector units to presence mode.
7. This intersection uses video detection. Maintain detectors according to the manufacturer's instructions to achieve the desired detection.

ASC/3 TIMING CHART						
FEATURE	PHASE					
	1	2	3	4	5	6
Min Green *	7	12	7	7	7	12
Delayed Green	-	-	-	-	-	-
Walk *	-	-	-	-	-	-
Ped Clear	-	-	-	-	-	-
Veh. Extension *	2.0	6.0	2.0	2.0	2.0	6.0
Max 1 *	15	90	30	30	15	90
Yellow	3.0	4.8	3.2	4.6	3.0	4.8
Red Clear	2.8	1.4	3.3	1.8	3.4	1.4
Actuations B4 Add *	-	-	-	-	-	-
Seconds /Actuation *	-	2.5	-	-	-	2.5
Max Initial *	-	34	-	-	-	34
Time Before Reduction *	-	15	-	-	-	15
Time To Reduce *	-	30	-	-	-	30
Minimum Gap	-	3.0	-	-	-	3.0
Locking Detector	-	X	-	-	-	X
Recall Position	-	MIN RECALL	-	-	-	MIN RECALL
Dual Entry	-	-	-	-	-	-
Simultaneous Gap	X	X	X	X	X	X

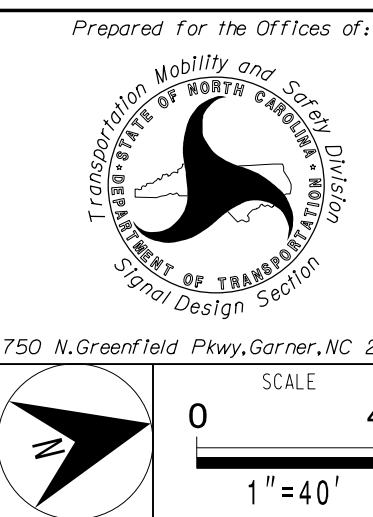
All Heads L.E.D.



PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	N/A
	Pedestrian Signal Head	
	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	
	Non-Intrusive Detection Zone	N/A
	Controller & Cabinet	
	Junction Box	
-----	2-in Underground Conduit	-----
N/A	Right of Way	-----
N/A	Guardrail	
N/A	Construction Zone	
N/A	Construction Zone Drums	
N/A	Curb Ramp	
	"U-TURN YIELD TO RIGHT TURN" Sign (R10-16)	

Signal Upgrade - Temporary Design 3
(TMP Phase IV)

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED



SR 1850 (Sandy Ridge Road)
at
SR 1818 (Johnson Street)/
Bloomfield Trail

PLAN DATE:	January 2025
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High Point

PLAN DATE: January 2025

REVIEWED BY: AM Encarnacion

PREPARED BY: JT Stiff

REVIEWED BY:	PL Alexander
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REVISIONS

DATE _____

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
056276
ENGINEER
JAMES T. STIFF

Signed by
James Stiff
-D54BD037672A434-
SIGNATURE DATE
3/14/2021
SIG. INVENTORY NO. 07-13067

SIG. INVENTORY NO. 07-1306T