2+6

PHASING DIAGRAM

PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

UNSIGNALIZED MOVEMENT

PEDESTRIAN MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

TABLE OF OPERATION

SIGNAL

FACE

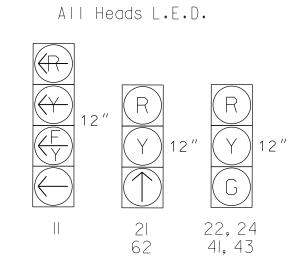
22, 24

41, 43

PHASE

G G R R

## SIGNAL FACE I.D.



SR 1850 (Sandy Ridge Road)

LOOP & DETECTOR UNIT INSTALLATION CHART TRAFFICWARE APOGEE SOFTWARE 2070 CONTROLLER											_			
INDUCTIVE LOOPS/ZONES					DETECTOR PROGRAMMING									
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	SWITCH (PHASE)	DELAY TIME	STRETCH TIME	CALLING	EXTENSION	ADDED INIT.	SYSTEM LOOP	NEW CARD	
1 A <del>*</del>	6X40		*		   <del> </del>	1	-	15.0	_	Χ	Χ	_	-	*
I HAT	0 / 40			<u>*</u>	6	_	_	_	Χ	Χ	-	-	*	
2A <del>*</del>	6X6	300	*	*	2	_	_	_	Χ	Χ	Χ	-	*	
4A*	6X40	0	*	*	4	_	_	_	Χ	Χ	-	-	*	
4B <b>米</b>	6X40	0	*	*	4	_	10.0	_	X	X	_		*	

- - X X X - \*

\* Non-Intrusive Detection Zone

45 MPH -4% Grade

SR 1850 (Sandy Ridge Road)

 $\leftarrow$ 

6A\* 6X6 300 \* \* 6 -

- NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- flashing operation unless otherwise directed by the Engineer.
- 3. Phase 1 may be lagged.
- 4. Reposition existing signal heads numbered 11, 21, 22, 24, 61 and 62.
- 5. Set all detector units to presence mode.
- Maintain detectors according to the manufacturer's instructions to achieve the desired detection.
- 7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

## TRAFFICWARE APOGEE 2070 TIMING CHART

IRAFFICWARE	APUGE	E 20/0	ITMITING	CHARI			
	PHASE						
FEATURE	1	2	4	6			
Min Green *	7	15	7	15			
Gap, Extension *	2.0	6.0	2.0	6.0			
Maximum Green 1 *	20	60	30	60			
Yellow Clear	3.0	4.9	3.7	4.9			
Red Clear	3.2	1.5	1.2	1.5			
Walk *	-	_	-	-			
Pedestrian Clear	-	_	_	-			
Added Initial *	-	1.5	_	2.5			
Maximum Initial *	-	34	_	34			
Time Before Reduction *	-	15	_	15			
Time To Reduce *	-	30	_	30			
Minimum Gap	-	3.0	_	3.0			
Recall Mode	-	MIN RECALL	-	MIN RECALL			
Lock Calls	NO	YES	NO	YES			
Dual Entry	-	-	-	-			
Simultaneous Gap	ON	ON	ON	ON			

phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

JT Stiff

Division 7 Guilford County Greensboro PLAN DATE: January 2025 REVIEWED BY: AM Encarnacion REVIEWED BY: PL Alexander INIT. DATE

056276 James Stiff 3/14/2025

**G** AtkinsRéalis 1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326

Signal Upgrade - Temporary Design 3 (TMP Phase III)

SIG. INVENTORY NO. 07-1648T3