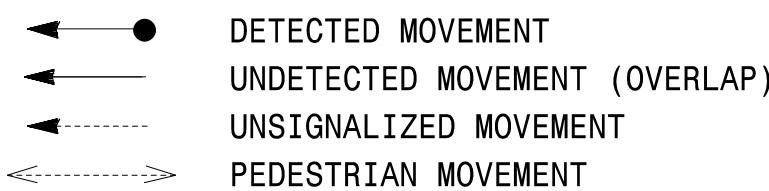


1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 and/or phase 5 may be lagged.
4. Set all detector units to presence mode.
5. The Division Traffic Engineer will determine the hours of use for each phasing plan.
6. This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.

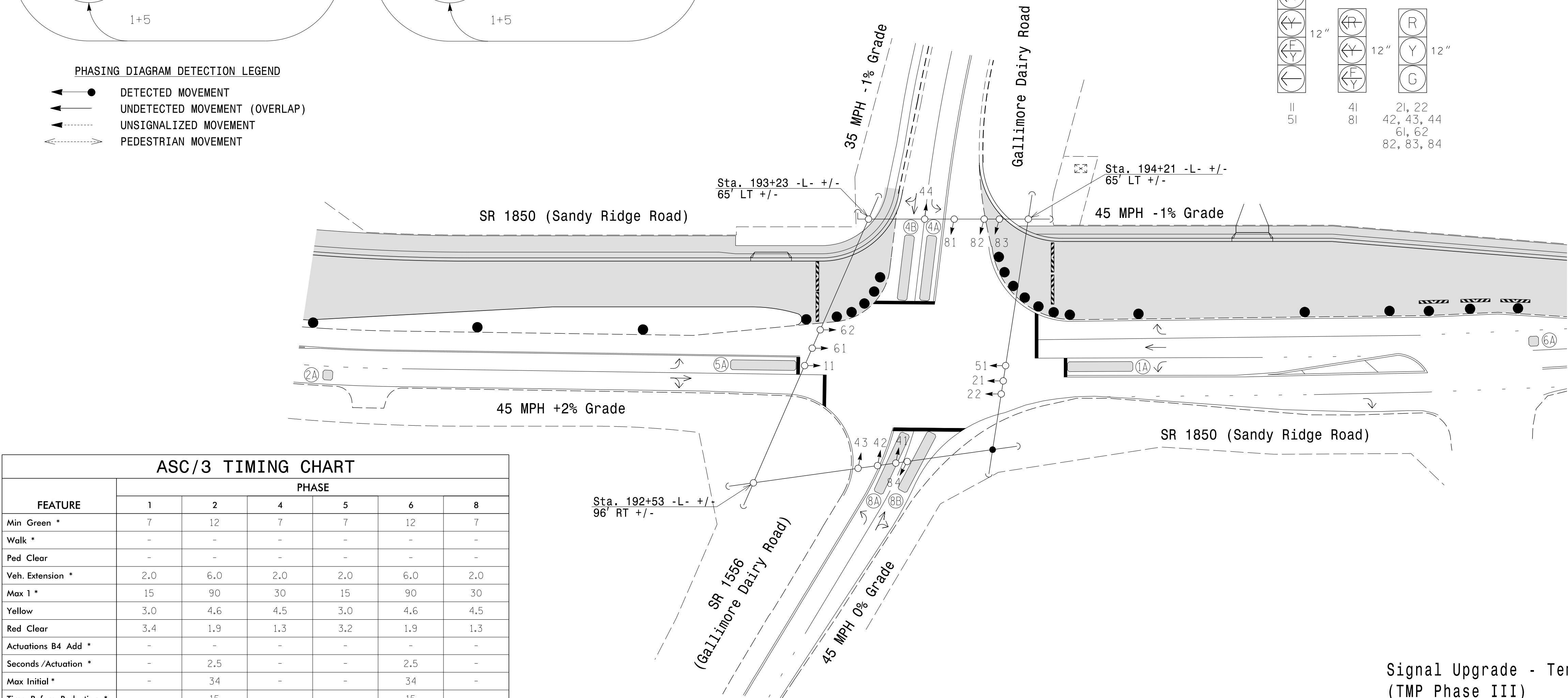
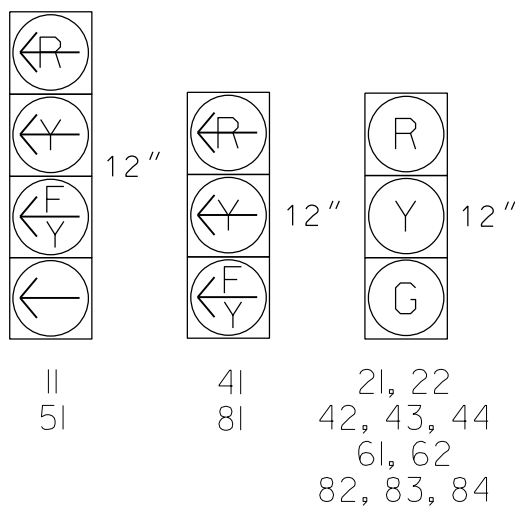


ALTERNATE PHASING TABLE OF OPERATION						
SIGNAL FACE	PHASE					
	1 + 5	1 + 6	2 + 5	2 + 6	4 + 8	F L A S H
II	←	←	→	→	→	→
2I, 22	R	R	G	G	R	R
4I	→	→	→	→	←	←
42,43,44	R	R	R	R	G	R
5I	←	→	←	←	→	→
6I, 62	R	G	R	G	R	R
8I	→	→	→	→	←	←
82,83,84	R	R	R	R	G	R

ASC/3 DETECTOR INSTALLATION CHART												
DETECTOR						PROGRAMMING						
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE	SYSTEM LOOP	NEW CAR
1A*	6X40	0	*	*	1	Yes	-	15.0**	-	N	-	*
					6#	Yes	-	3.0	-	G	-	*
2A*	6X6	300	*	*	2	Yes	-	-	X	N	-	*
4A*	6X40	0	*	*	4	Yes	-	3.0	-	N	-	*
4B*	6X40	0	*	*	4	Yes	-	10.0	-	N	-	*
5A*	6X40	0	*	*	5	Yes	-	15.0**	-	N	-	*
					2#	Yes	-	3.0	-	G	-	*
6A*	6X6	300	*	*	6	Yes	-	-	X	N	-	*
8A*	6X40	0	*	*	8	Yes	-	3.0	-	N	-	*
8B*	6X40	0	*	*	8	Yes	-	10.0	-	N	-	*

- * Non-Intrusive Detection Zone
- ** Reduce delay to 3 seconds during alternate phasing operation
- # Disable phase call for loop(s) during alternate phasing operation

All Heads L.E.D.



ASC/3 TIMING CHART						
FEATURE	PHASE					
	1	2	4	5	6	8
Min Green *	7	12	7	7	12	7
Walk *	-	-	-	-	-	-
Ped Clear	-	-	-	-	-	-
Veh. Extension *	2.0	6.0	2.0	2.0	6.0	2.0
Max 1 *	15	90	30	15	90	30
Yellow	3.0	4.6	4.5	3.0	4.6	4.5
Red Clear	3.4	1.9	1.3	3.2	1.9	1.3
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	-	-	X	-	-	X
Simultaneous Gap	X	X	X	X	X	X

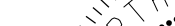
* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND

PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	N/A
	Sign	
	Pedestrian Signal Head	
	Signal Pole with Push Button & Sign	
	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	
	Right of Way	
	Directional Arrow	
	Construction Zone	
	Construction Zone Drums	
	Curb Ramp	

Signal Upgrade - Temporary Design 1
(TMP Phase III)



Prepared For the Offices of:  TRANSPORTATION MOBILITY AND SAFETY DIVISION STATE OF NORTH CAROLINA Signal Design Section	SR 1850 (Sandy Ridge Road) at SR 1556 (Gallimore Dairy Road)			SEAL 
	Division 7 Guilford County		High Point	
	PLAN DATE: January 2025	REVIEWED BY: AM Encarnacion		
	PREPARED BY: JT Stiff	REVIEWED BY: PL Alexander		
750 N. Greenfield Pkwy, Garner, NC 27529 SCALE   0 40 1" = 40'				Signed by:  James H. Stiff 0548003767242434 PROFESSIONAL ENGINEER STATE OF NORTH CAROLINA 3/14/2025 SIGNATURE DATE
REVISIONS		INIT.	DATE	
SIG. INVENTORY NO. 07-111517				