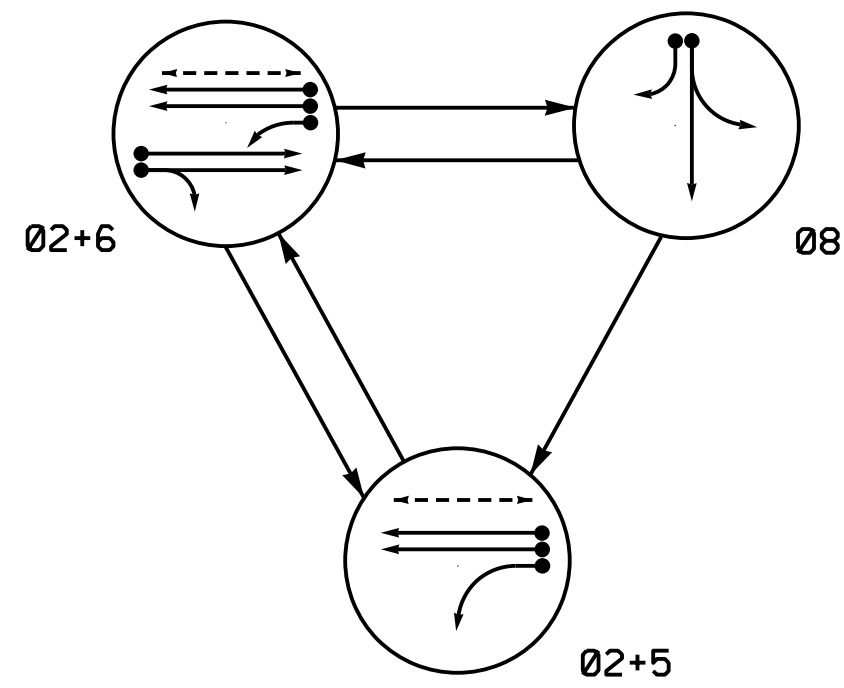
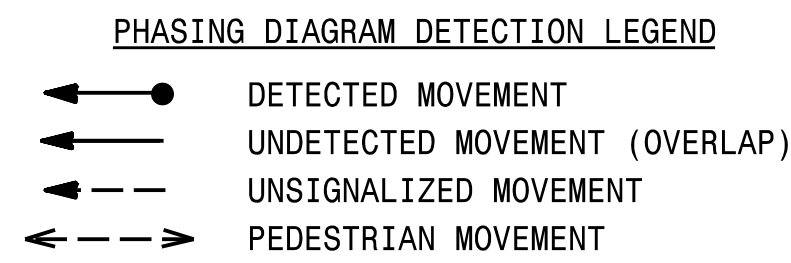
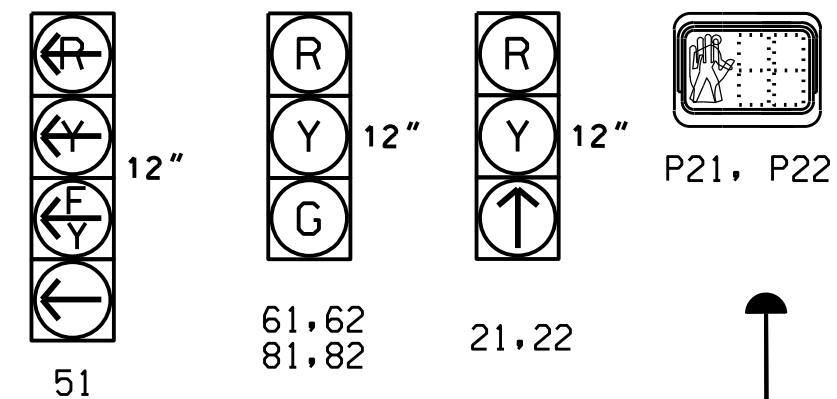


PHASING DIAGRAM



SIGNAL FACE	PHASE			
	02+5	02+6	08	F L EIGHT
21,22	↑	↑	R	Y
51	←	←	R	Y
61,62	R	G	R	G
81,82	R	R	G	R
P21,P22	W	W	DW	DRK

SIGNAL FACE I.D.  
All Heads L.E.D.



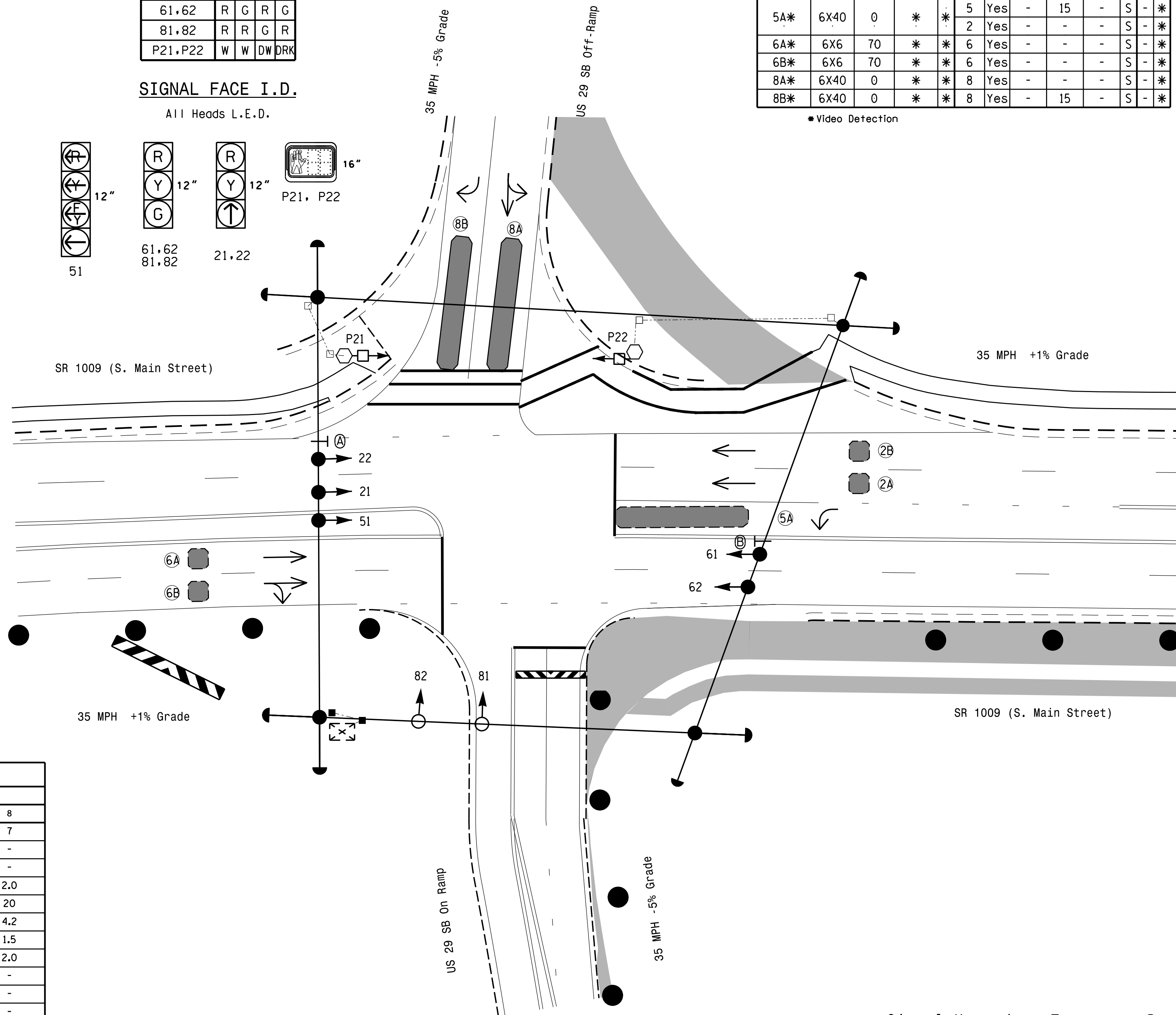
ASC/3 DETECTOR INSTALLATION CHART												
DETECTOR					PROGRAMMING							
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE	SYSTEM LOOP	NEW CARD
2A*	6X6	70	*	*	2	Yes	-	-	-	S	-	*
2B*	6X6	70	*	*	2	Yes	-	-	-	S	-	*
5A*	6X40	0	*	*	5	Yes	-	15	-	S	-	*
6A*	6X6	70	*	*	6	Yes	-	-	-	S	-	*
6B*	6X6	70	*	*	6	Yes	-	-	-	S	-	*
8A*	6X40	0	*	*	8	Yes	-	-	-	S	-	*
8B*	6X40	0	*	*	8	Yes	-	15	-	S	-	*

\*Video Detection

3 Phase Fully Actuated (High Point Signal System)

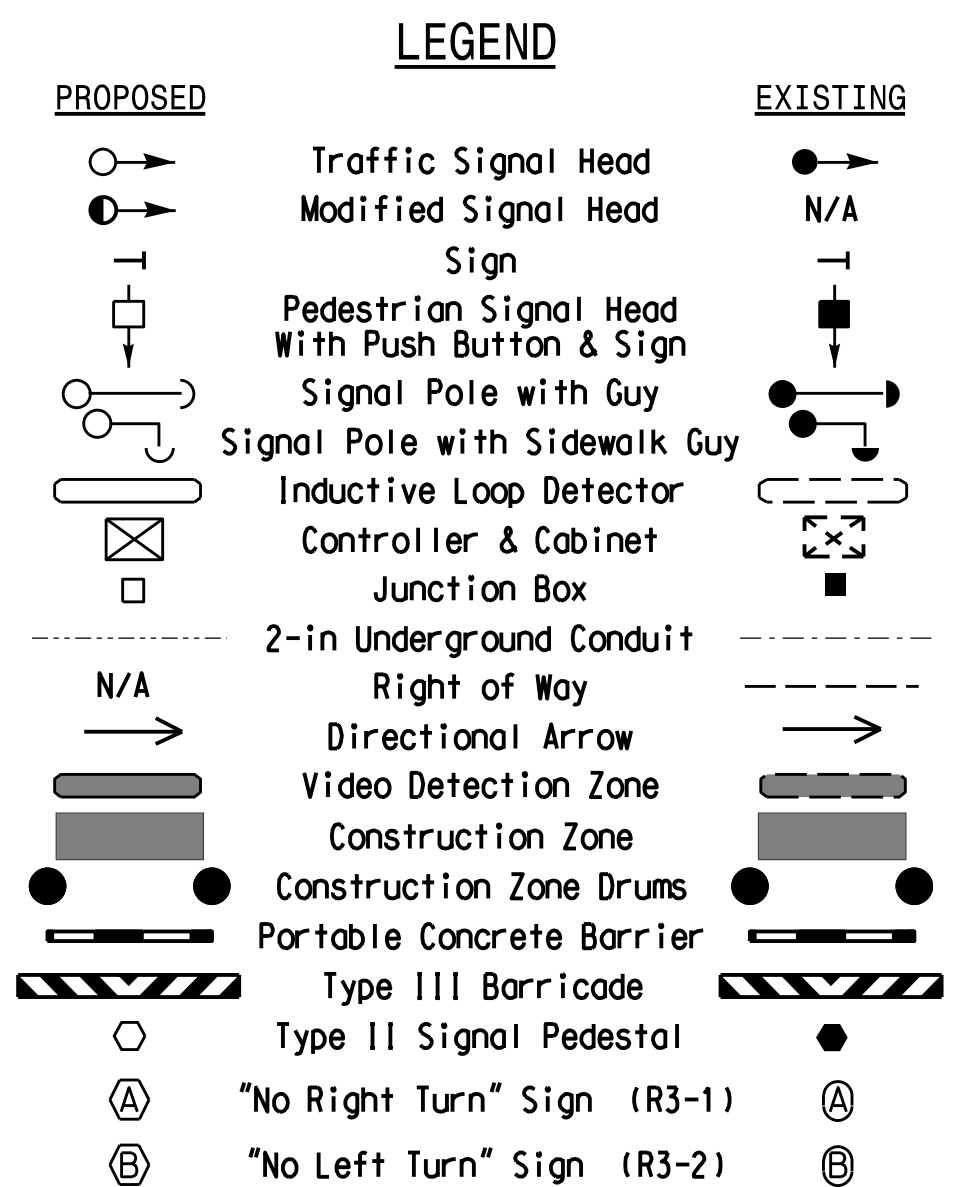
NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 5 may be lagged.
- Set all detector units to presence mode.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- This intersection uses video detection, install according to manufacturer's instructions to achieve the desired detection.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



FEATURE	PHASE			
	2	5	6	8
Min Green *	10	7	10	7
Walk *	7	-	-	-
Ped Clear	17	-	-	-
Veh. Extension *	3.0	2.0	3.0	2.0
Max 1 *	40	20	40	20
Yellow	3.8	3.0	3.8	4.2
Red Clear	1.3	1.6	1.3	1.5
Red Revert	2.0	2.0	2.0	2.0
Actuations B4 Add *	-	-	-	-
Seconds /Actuation *	-	-	-	-
Max Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Locking Detector	X	-	X	-
Recall Position	VEH. RECALL	-	VEH. RECALL	-
Dual Entry	-	-	-	-
Simultaneous Gap	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.



Signal Upgrade - Temporary Design 2 (TMP Phase IIA)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

 MOTT MACDONALD 7621 Purfoy Road Suite 115 Fuquay-Varina, NC 27526 www.mottmac.com License No. F-0669	 Prepared for the Offices of: TRANSPORTATION MOBILITY AND SAFETY DIVISION NORTH CAROLINA DEPARTMENT OF TRANSPORTATION SIGNAL DESIGN SECTION 750 N. Greenfield Pkwy, Corner, NC 27529	SR 1009 (S. Main Street) at US 29 SB Ramps		 SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045256 BRENDAN A. LEHAN
		Division 7 Guilford County High Point PLAN DATE: May 2021 REVIEWED BY: BA Lehan PREPARED BY: DE Fowler REVIEWED BY:	REVISIONS INIT. DATE	