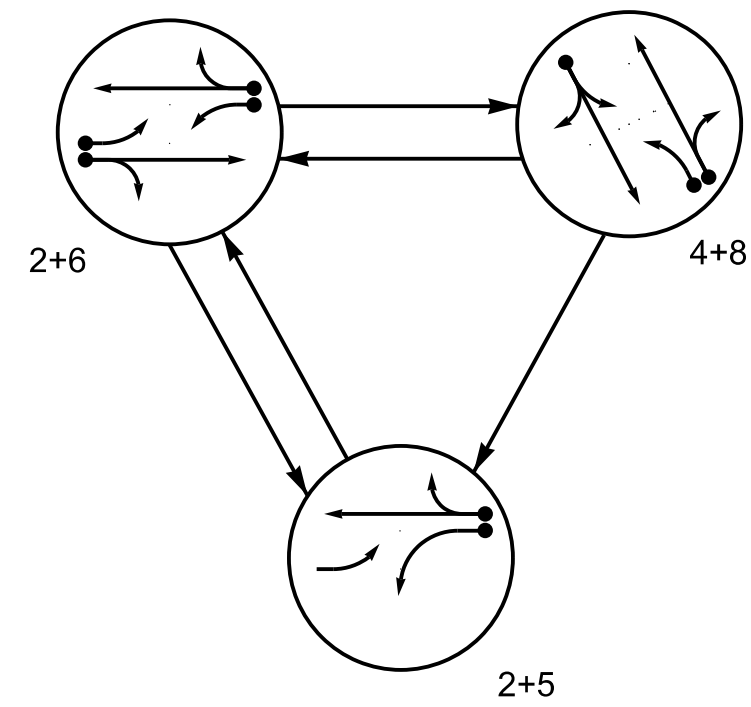
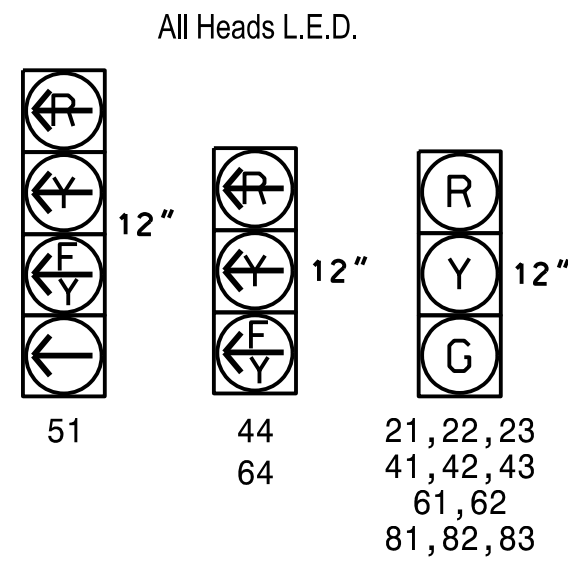


DEFAULT PHASING DIAGRAM

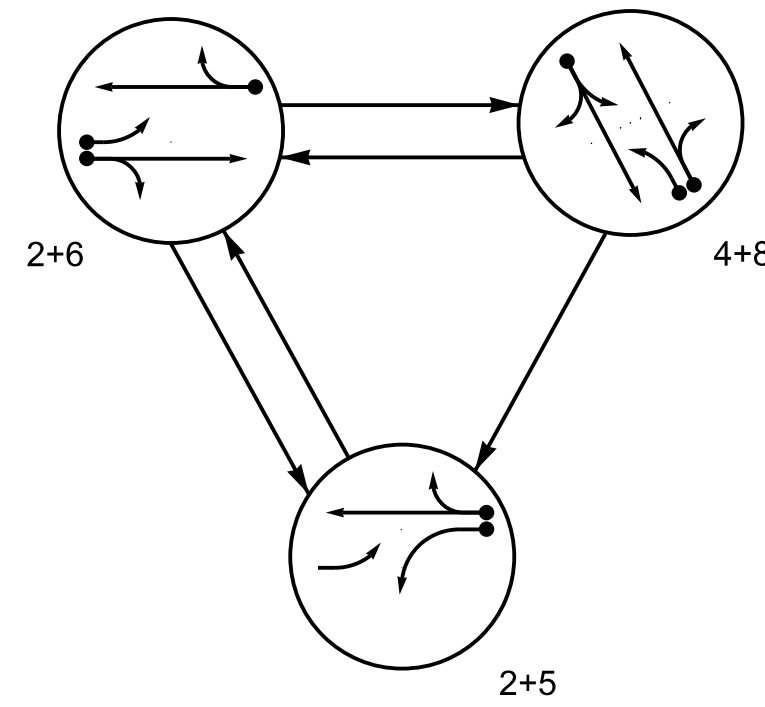


SIGNAL FACE	PHASE			
	2+5	2+6	4+8	FLASH
21,22,23	G	G	R	R
41,42,43	R	R	G	R
44	FR	FR	FR	FR
51	FR	FR	FR	FR
61,62	R	G	R	R
64	FR	FR	FR	FR
81,82,83	R	R	G	R

SIGNAL FACE I.D.



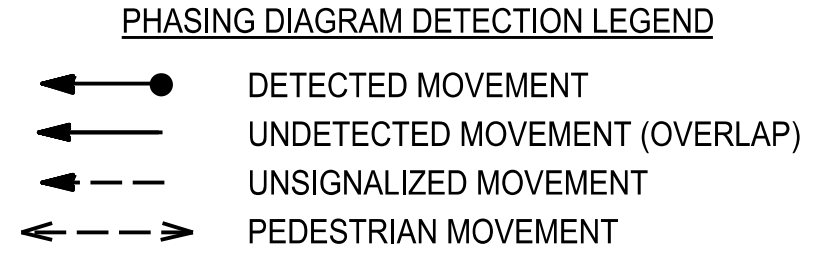
ALTERNATE PHASING DIAGRAM



SIGNAL FACE	PHASE			
	2+5	2+6	4+8	FLASH
21,22,23	G	G	R	R
41,42,43	R	R	G	R
44	FR	FR	FR	FR
51	FR	FR	FR	FR
61,62	R	G	R	R
64	FR	FR	FR	FR
81,82,83	R	R	G	R

MAXTIME DETECTOR INSTALLATION CHART											
DETECTOR						PROGRAMMING					
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN
2A *	6X6	70	*	*	2	-	-	X	-	X	-
4A *	6X40	0	*	*	4	3.0	-	X	-	X	-
4B *	6X40	0	*	*	4	-	-	X	-	X	-
5A *	6X40	0	*	*	5	15.0#	-	X	-	X	-
6A *	6X6	70	*	*	6	-	-	X	-	X	-
6B *	6X40	0	*	*	6	-	-	X	-	X	-
8A *	6X40	0	*	*	8	3.0	-	X	-	X	-

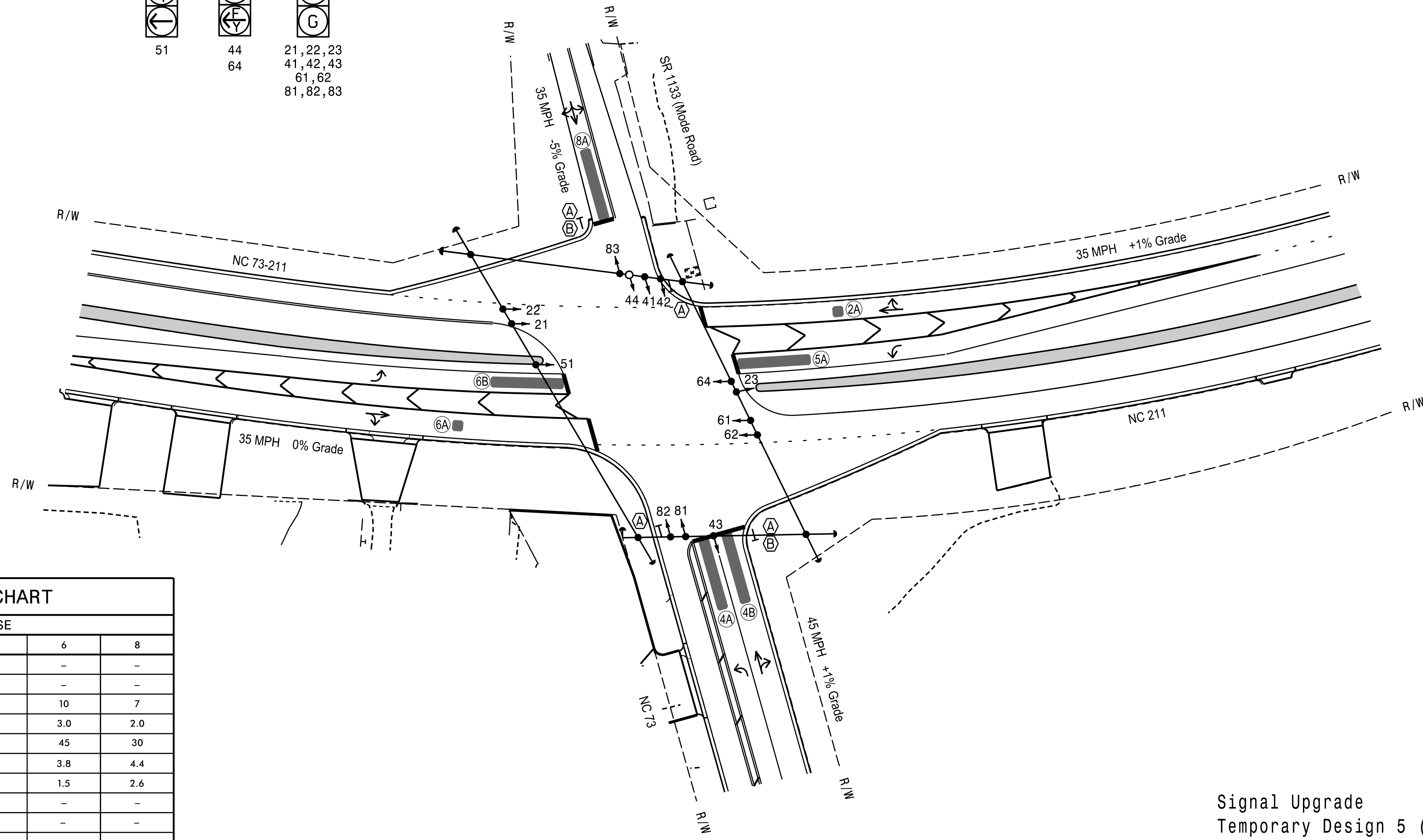
Disable Delay During Alternate Phasing Operation
 ## Disable Phase Call for Loop During Alternate Phasing Operation
 * Video Detection Zone



3 Phase Fully Actuated (Isolated)

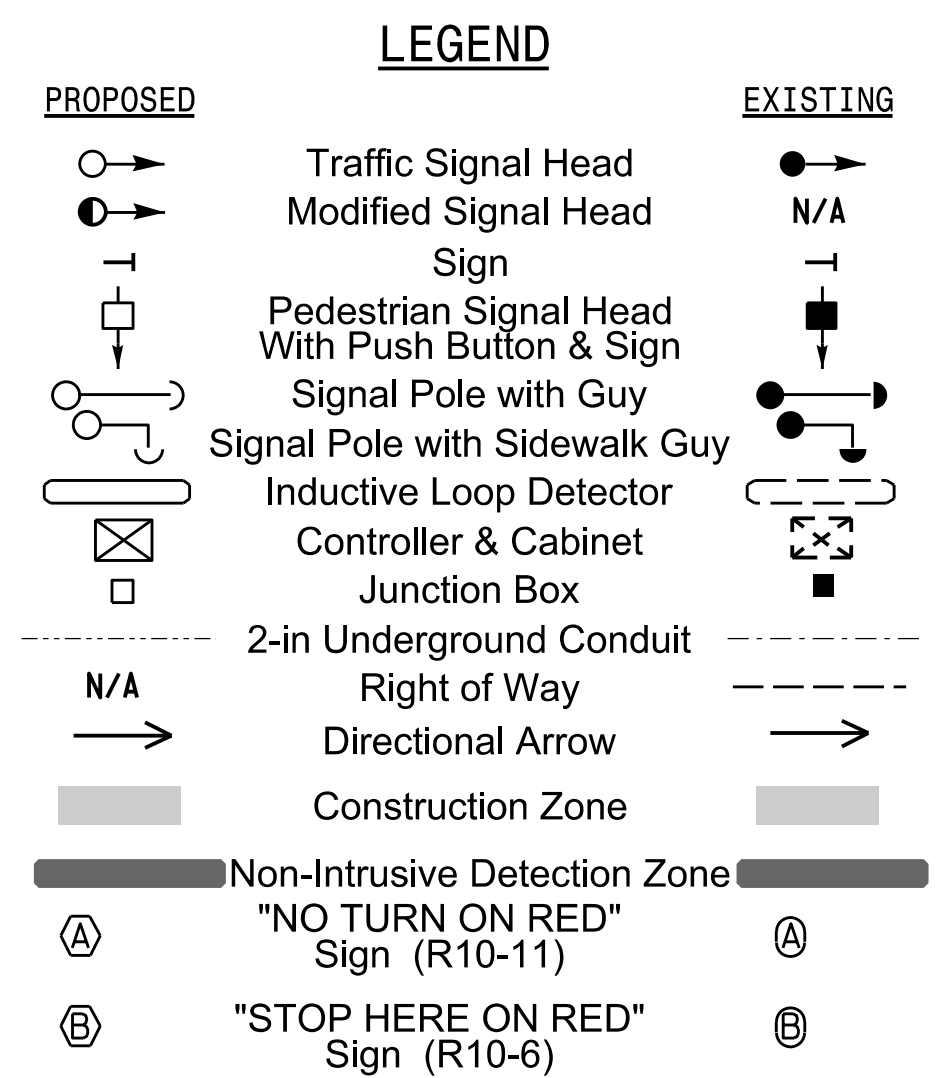
NOTES

- 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.
- Reposition existing signal heads numbered 21,22,23,51,61,62 and 64.
- Set all detector units to presence mode.
- The Division Traffic Engineer will determine the hours of use for each phasing plan.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.



FEATURE	PHASE				
	2	4	5	6	8
Walk *	-	-	-	-	-
Ped Clear *	-	-	-	-	-
Min Green *	10	7	7	10	7
Passage *	3.0	2.0	2.0	3.0	2.0
Max 1 *	45	30	20	45	30
Yellow Change	3.8	4.4	3.0	3.8	4.4
Red Clear	1.5	2.6	2.3	1.5	2.6
Added Initial *	-	-	-	-	-
Maximum Initial *	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-
Time To Reduce *	-	-	-	-	-
Minimum Gap	-	-	-	-	-
Advance Walk	-	-	-	-	-
Non Lock Detector	-	X	X	-	X
Vehicle Recall	MIN RECALL	-	-	MIN RECALL	-
Dual Entry	-	X	-	-	X

* These values may be field adjusted. Do not adjust Min Green and Passage 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 5 (TMP Phase III)

M M
MOTT MACDONALD
 MOTT MACDONALD I & E, LLC
 930 Main Campus Drive
 Suite 200
 RALEIGH, NC 27606
 License No. F-0669

Prepared for:

 750 N. Greenfield Pkwy, Garner, NC 27526

NC 73-211/NC 211
 at
 NC 73/SR 1133 (Mode Rd)
 Division 8 Moore County West End
 PLAN DATE: June 2024 REVIEWED BY: R. Mullinax
 PREPARED BY: LD Stouchko REVIEWED BY:
 REVISIONS
 INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 034437
 LD STOUCHKO
 L. Stouchko
 SIGNATURE DATE
 SIG. INVENTORY NO. 08-009815