

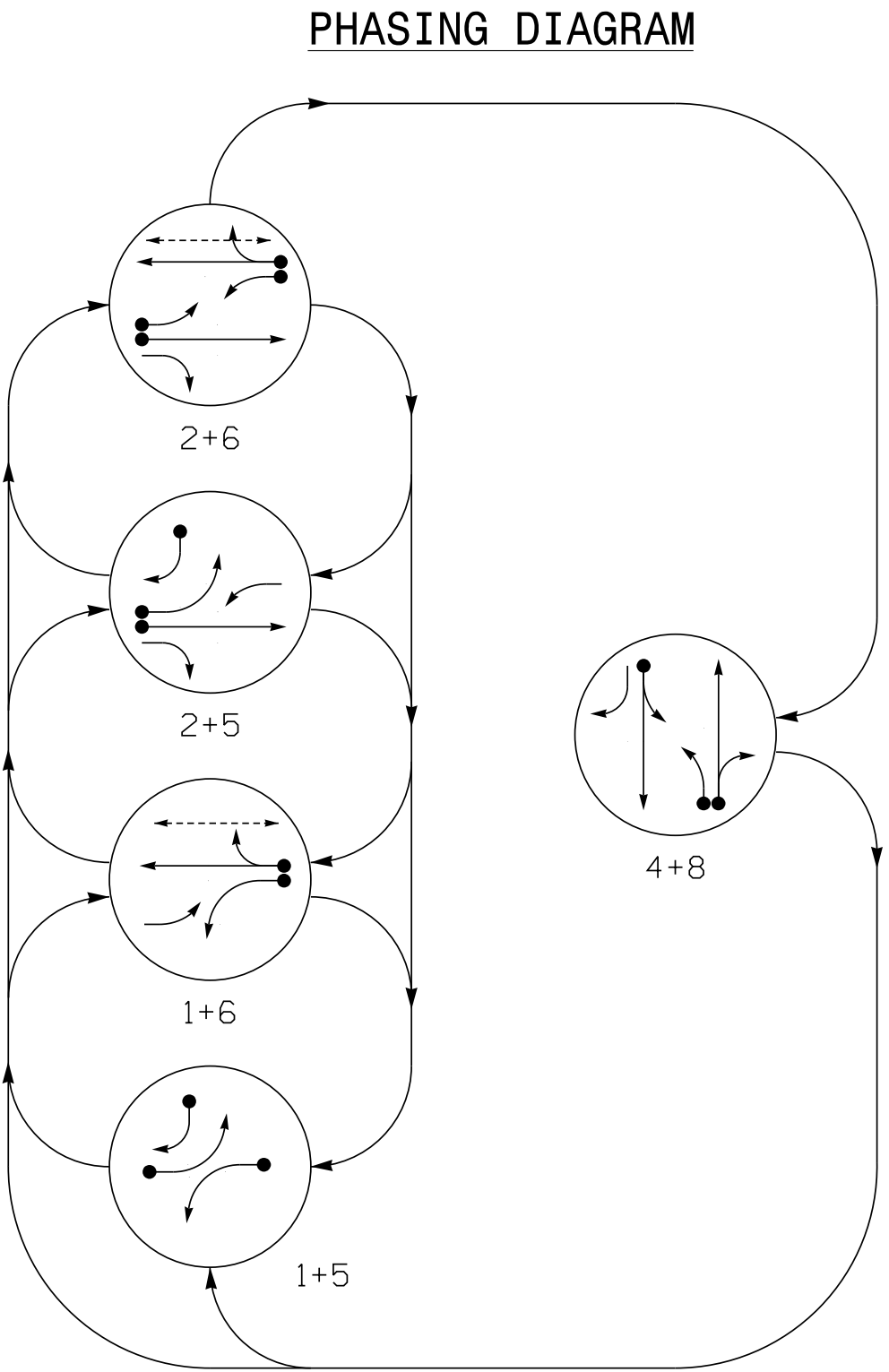
5 Phase
Fully Actuated
(NC 135 CLS)
Signal System #: D07-09_Mayodan

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or 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.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

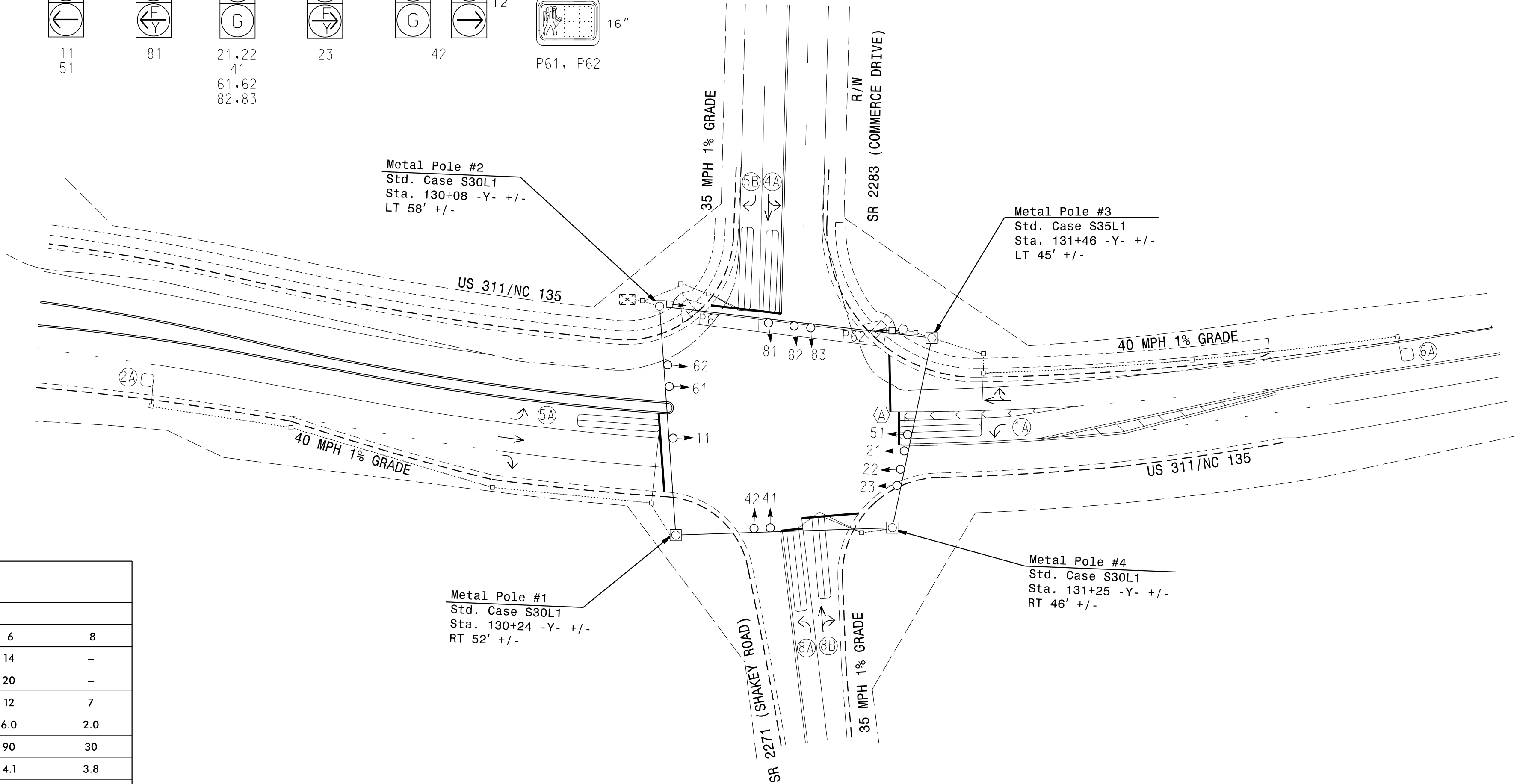
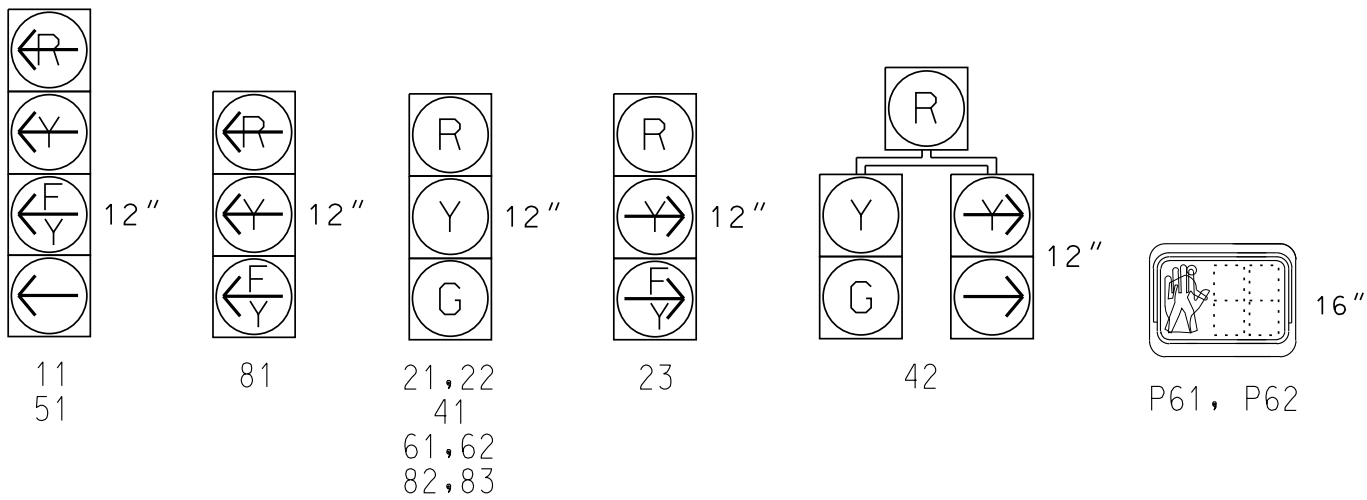
SIGNAL FACE	PHASE					FLASH
	1 + 5	1 + 6	2 + 5	2 + 6	4 + 8	
11	←	←	←	←	←	←
21, 22	R	R	G	G	R	R
23	R	R	←	←	R	R
41	R	R	R	R	G	R
42	R	R	R	R	G	R
51	←	←	←	←	←	←
61, 62	R	G	R	G	R	R
81	←	←	←	←	←	←
82, 83	R	R	R	R	G	R
P61, P62	DW	W	DW	W	DW	DRK

MAXTIME DETECTOR INSTALLATION CHART											
DETECTOR						PROGRAMMING					
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	NEW CARD
1A	6X40	0	2-4-2	X	1	15.0	-	X	-	X	-
					6	3.0	-	X	-	X	X
2A	6X6	250	5	X	2	-	-	X	X	X	-
4A	6X40	0	2-4-2	X	4	3.0	-	X	-	X	-
5A	6X40	0	2-4-2	X	5	15.0	-	X	-	X	-
					2	3.0	-	X	-	X	X
5B	6X40	0	2-4-2	X	5	15.0	-	X	-	X	-
6A	6X6	250	5	X	6	-	-	X	X	X	-
8A	6X40	0	2-4-2	X	8	3.0	-	X	-	X	-
8B	6X40	0	2-4-2	X	8	10.0	-	X	-	X	-



SIGNAL FACE I.D.

All Heads L.E.D.



FEATURE	PHASE					
	1	2	4	5	6	8
Walk *	-	-	-	-	14	-
Ped Clear	-	-	-	-	20	-
Min Green *	7	12	7	7	12	7
Passage *	2.0	6.0	2.0	2.0	6.0	2.0
Max 1 *	20	90	30	20	90	30
Yellow Change	3.0	4.1	3.8	3.0	4.1	3.8
Red Clear	2.6	1.7	1.9	2.8	1.7	1.8
Added Initial *	-	2.5	-	-	2.5	-
Maximum Initial *	-	30	-	-	30	-
Time Before Reduction *	-	15	-	-	15	-
Time To Reduce *	-	30	-	-	30	-
Minimum Gap	-	3.0	-	-	3.0	-
Advance Walk	-	-	-	-	7	-
Non Lock Detector	X	-	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.

LEGEND

PROPOSED	EXISTING

Signal Upgrade - Final Design

Prepared for the Offices of: 750 N. Greenfield Pkwy, Garner, NC 27529	US 311 / NC 135 at SR 2271 (Shakey Road) and SR 2283 (Commerce Drive) Division 7 - Rockingham County PLAN DATE: June 2025 PREPARED BY: Jamal Khdeir REVIEWED BY: Golam Moynuddin	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SEAL GOLAM MOYNUDDIN PROFESSIONAL ENGINEER SEAL 034454 SIGNED BY: Golam Moynuddin 6/27/2025 DATE SIGNATURE DATE SIC. INVENTORY NO. 07-2075
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Plans Prepared in the Offices of:

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