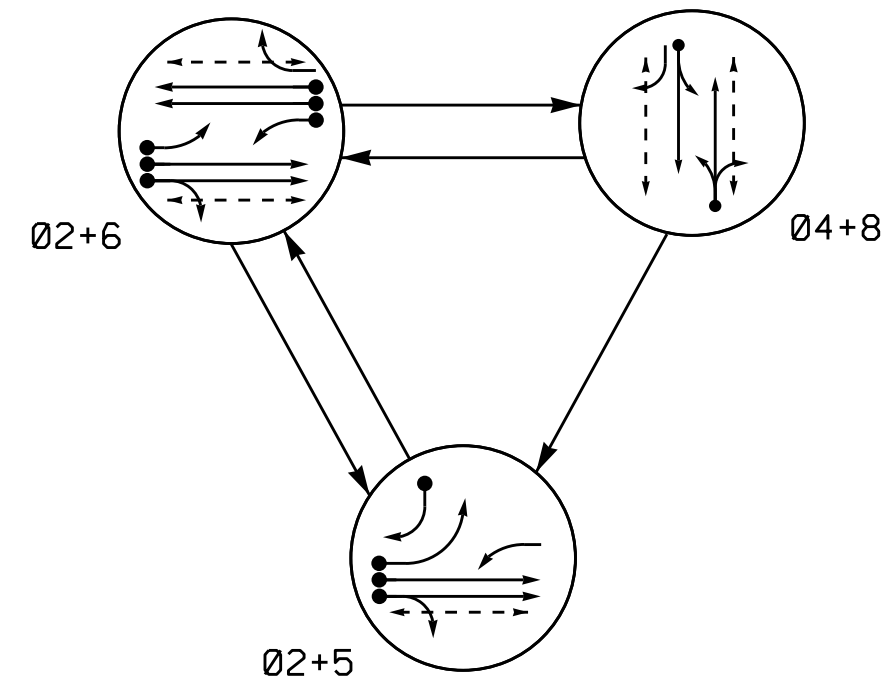
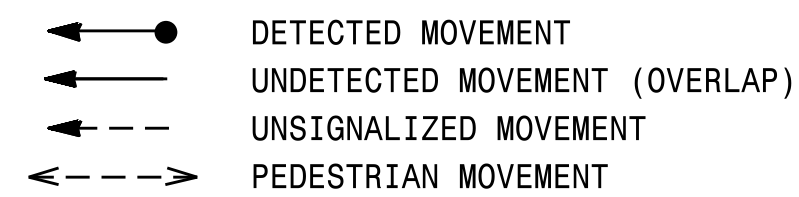


3 Phase
Fully Actuated
(Lexington NC 8 CLS)
Signal System #: D09-19_Lexington

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

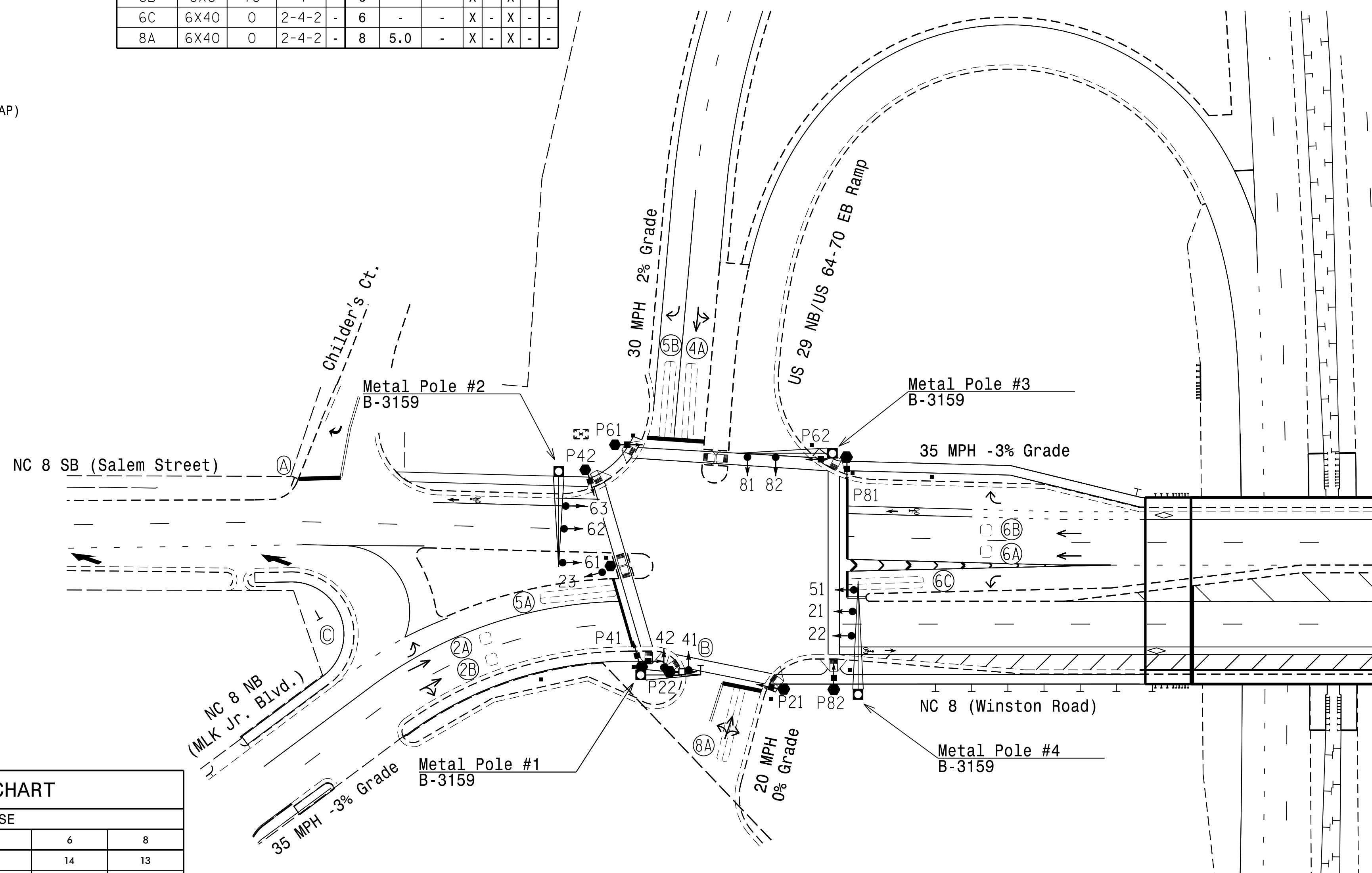


MAXTIME DETECTOR INSTALLATION CHART											
DETECTOR				PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN
2A	6X6	70	4	-	2	-	-	X	X	-	-
2B	6X6	70	4	-	2	-	-	X	X	-	-
4A	6X40	0	2-4-2	-	4	-	-	X	X	-	-
5A	6X40	0	2-4-2	-	5	15.0	-	X	X	-	-
5B	6X40	0	2-4-2	-	5	15.0	-	X	X	-	-
6A	6X6	70	4	-	6	-	-	X	X	-	-
6B	6X6	70	4	-	6	-	-	X	X	-	-
6C	6X40	0	2-4-2	-	6	-	-	X	X	-	-
8A	6X40	0	2-4-2	-	8	5.0	-	X	X	-	-

SIGNAL FACE	PHASE			
	02+5	02+6	04+8	FLIGHT
21, 22, 23	G	G	R	Y
41	R	R	G	R
42	R	R	G	R
51	F	F	R	Y
61	F	F	R	Y
62, 63	R	G	R	Y
81, 82	R	R	G	R
P21, P22	W	W	DW	DRK
P41, P42	DW	DW	W	DRK
P61, P62	DW	W	DW	DRK
P81, P82	DW	DW	W	DRK

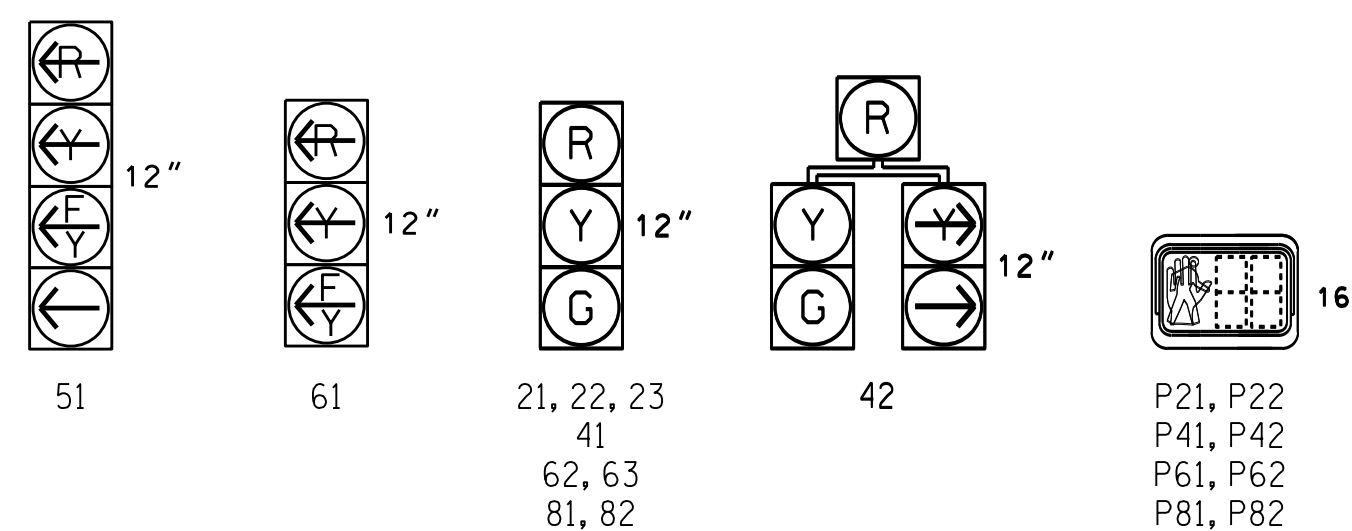
FEATURE	PHASE				
	2	4	5	6	8
Walk *	11	12	-	14	13
Ped Clear *	8	18	-	20	20
Min Green	12	7	7	12	7
Passage *	3.0	2.0	2.0	3.0	2.0
Max 1 *	120	25	15	120	25
Yellow Change	4.7	4.5	3.0	4.7	3.7
Red Clear	1.0	1.0	1.4	1.0	1.7
Added Initial *	-	-	-	-	-
Maximum Initial *	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-
Time To Reduce *	-	-	-	-	-
Minimum Gap	-	-	-	-	-
Advance Walk	4	5	-	7	6
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 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 FACE I.D.

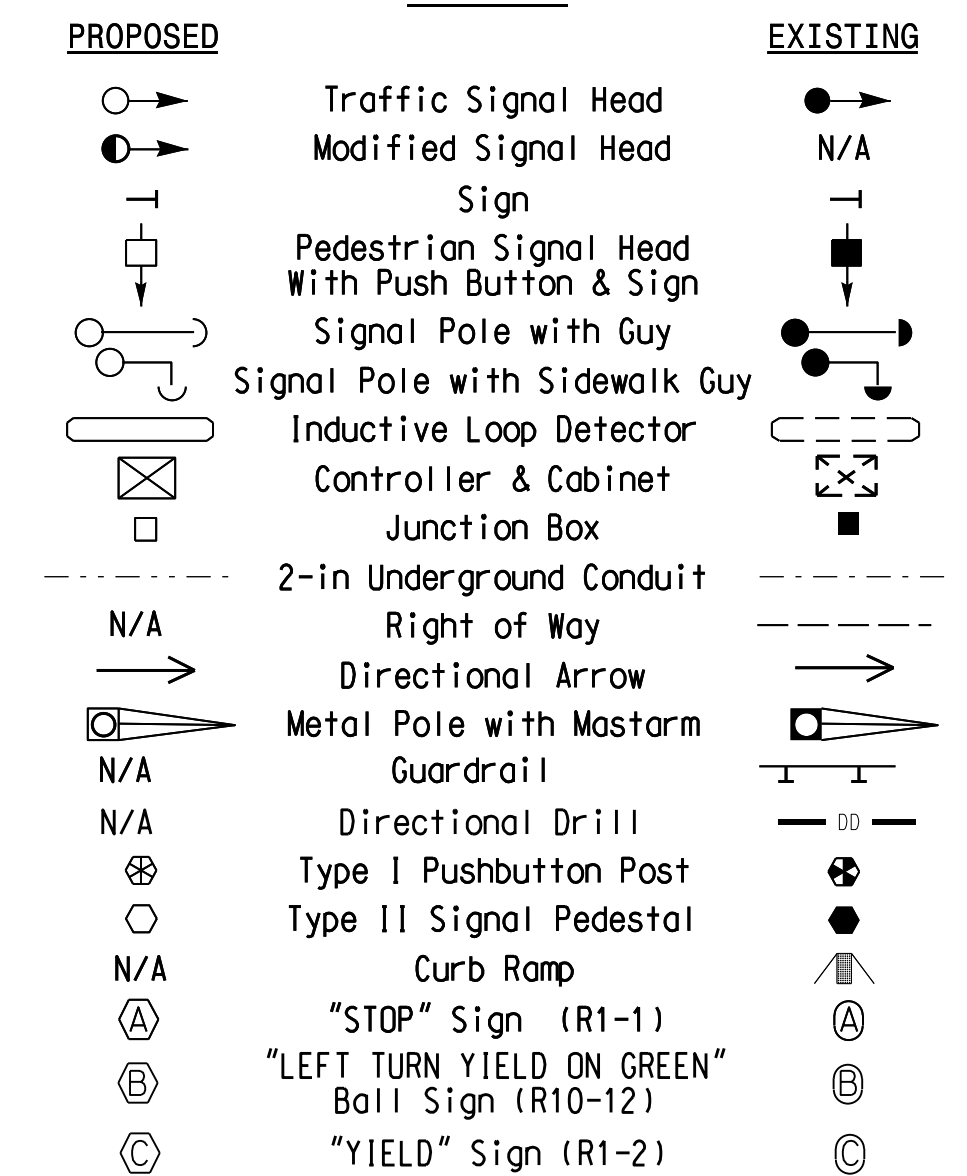
All Heads L.E.D.



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 5 may be lagged.
- Set all detector units to presence mode.
- Install new controller in existing cabinet.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Existing "Left Turn Yield on Green" ball sign (R10-12) may be removed at the discretion of the Engineer.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

LEGEND



Signal Upgrade

Prepared In the Offices of:
TRANSPORTATION MOBILITY AND SAFETY SOLUTIONS
DIVISION OF TRANSPORTATION
SIGNAL DESIGN SECTION
750 N. Greenfield Pkwy, Garner, NC 27529

NC 8 (Winston Rd./MLK Blvd.)
at
US 29 NB/US 64-70 EB Ramp

Division 9 Davidson County Lexington

PLAN DATE: January 2024 REVIEWED BY:

PREPARED BY: I.O. Umzurike REVIEWED BY:

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

02/29/2024

SIG. INVENTORY NO. 09-0734

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