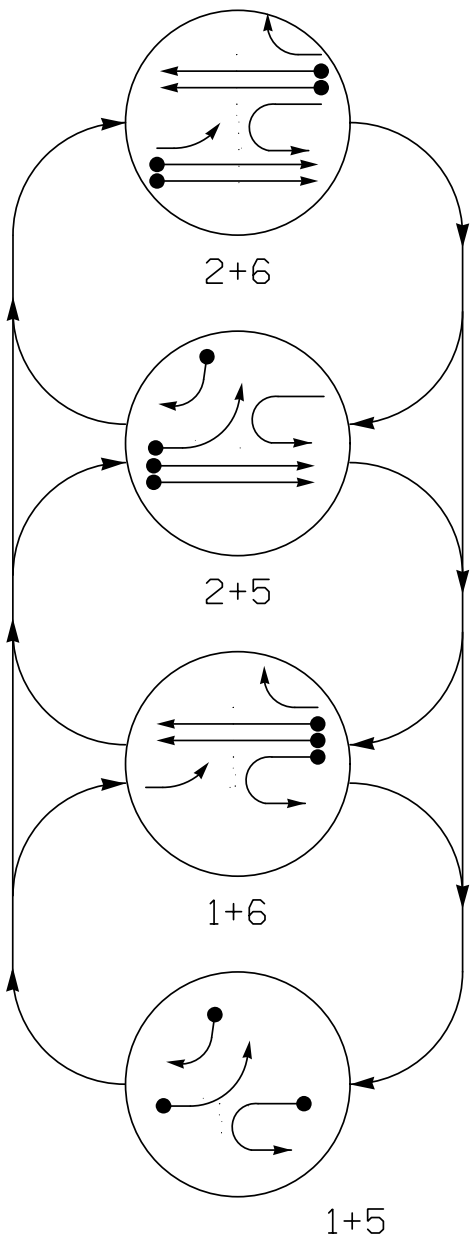
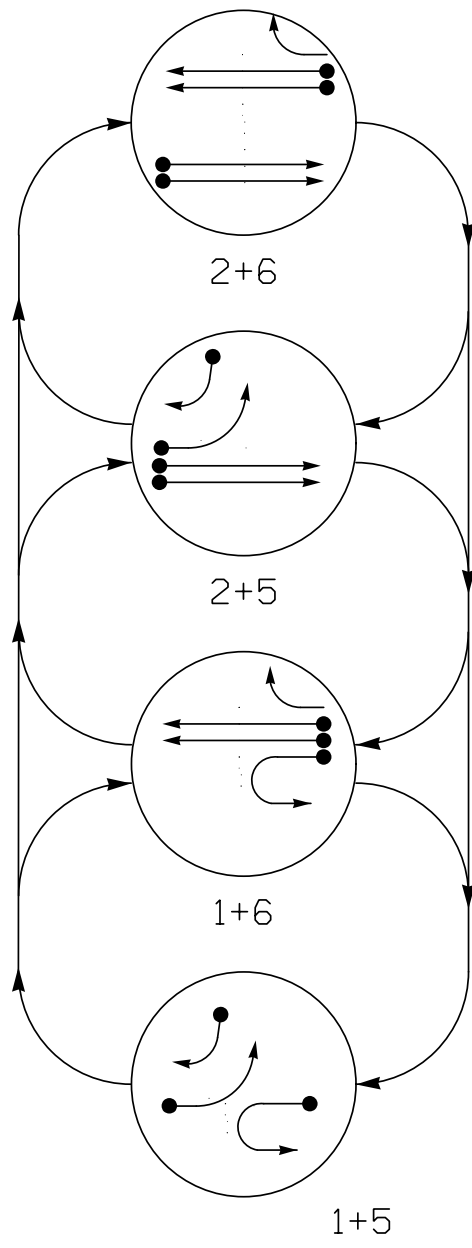


DEFAULT PHASING DIAGRAM



SIGNAL FACE	PHASE			
	1 + 5	1 + 6	2 + 5	2 + 6
11,12				
21	R	R	↑	↑
22	R	R	G	G
51,52	←	←	←	←
53,54	→	→	R	R
61	R	↑	R	↑
62	R	G	R	G

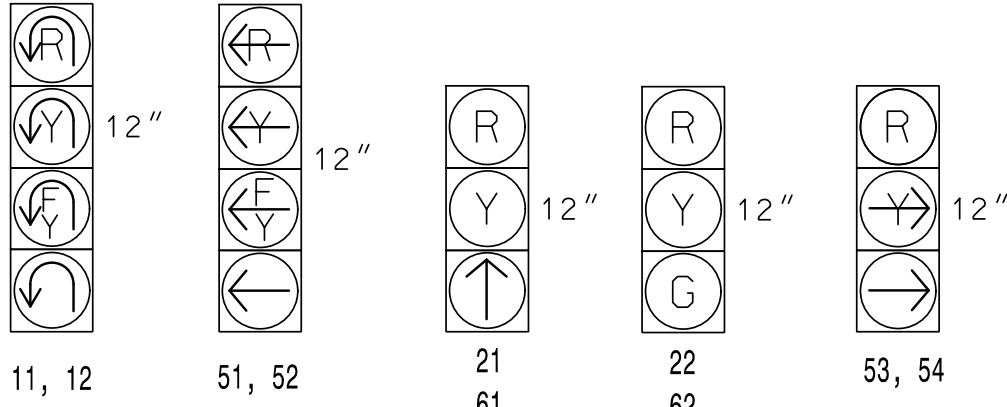
ALTERNATE PHASING DIAGRAM



SIGNAL FACE	PHASE			
	1 + 5	1 + 6	2 + 5	2 + 6
11,12				
21	R	R	↑	↑
22	R	R	G	G
51,52	←	←	←	←
53,54	→	→	R	R
61	R	↑	R	↑
62	R	G	R	G

SIGNAL FACE I.D.

All Heads L.E.D.



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	-
2A	6X6	420	6	X	2	-	-	X	X	X	-
2B	6X6	420	6	X	2	-	-	X	X	X	-
5A	6X40	0	2-4-2	-	5	15.0*	-	X	-	X	-
5B	6X40	0	2-4-2	-	5	15.0	-	X	-	X	-
5C	6X40	0	2-4-2	-	5	15.0	-	X	-	X	-
6A	6X6	420	Exist	-	6	-	-	X	X	X	-
6B	6X6	420	Exist	-	6	-	-	X	X	X	-

* Disable delay during Alternate Phasing operation.

4 Phase Fully Actuated w/ Alternate Phasing (Concord Central System)

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.
- Set all detector units to presence mode.
- The City Traffic Engineer will determine the hours of use for each phasing plan.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- See Roadway Pavement Marking Plans for proposed stop line locations.
- Install new 2070LX controller in existing cabinet.

MAXTIME TIMING CHART				
FEATURE	PHASE			
	1	2	5	6
Walk *	-	-	-	-
Ped Clear	-	-	-	-
Min Green *	7	14	7	14
Passage *	2.0	6.0	2.0	6.0
Max I *	30	90	30	90
Yellow Change	3.0	5.4	3.0	5.4
Red Clear	4.2	2.0	3.1	2.0
Added Initial *	-	1.5	-	1.5
Maximum Initial *	-	46	-	46
Time Before Reduction *	-	15	-	15
Time To Reduce *	-	30	-	30
Minimum Gap	-	3.4	-	3.4
Advance Walk	-	-	-	-
Non Lock Detector	X	-	X	-
Vehicle Recall	-	MIN RECALL	-	MIN RECALL
Dual Entry	-	-	-	-

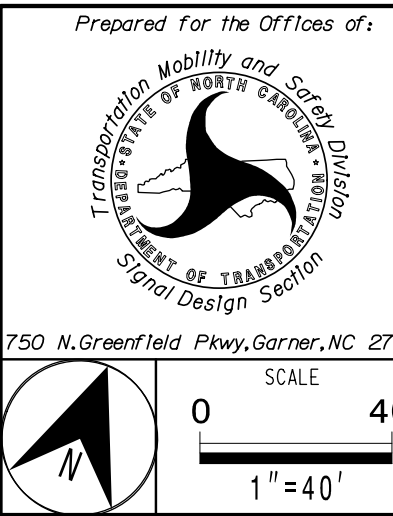
* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND

PROPOSED	EXISTING

Signal Upgrade

PLANS PREPARED IN THE OFFICE OF:
Kimley»Horn
NC License #F-0102
421 Fayetteville Street, Suite 600
Raleigh, NC 27601
(919) 677-2000



US 29 (Concord Parkway South) at Project Artic Truck Entrance

Division 10 Cabarrus County Concord
PLAN DATE: February 2025 REVIEWED BY: KP Baumann

PREPARED BY: SP Pennington REVIEWED BY:

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL	SEAL
SIGNATURE	DATE
SIG. INVENTORY NO.	10-2455