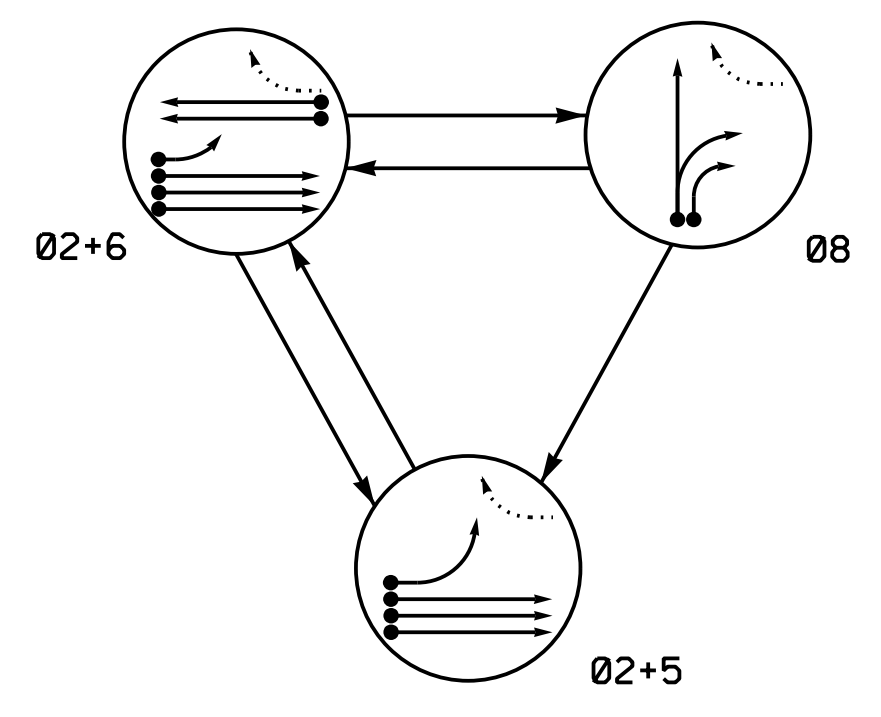
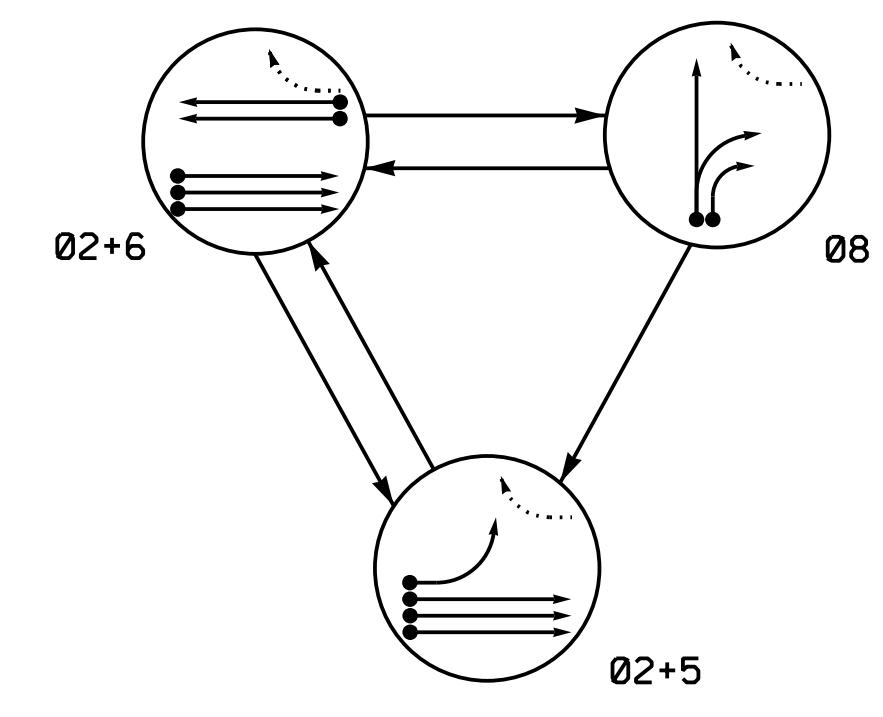


DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02+5	08	08	FLASH
21,22	G	G	R	Y
23	↑	↑	R	Y
51	←	←	←	←
61,62	R	↑	R	Y
81,82	R	R	G	R

ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02+5	08	08	FLASH
21,22	G	G	R	Y
23	↑	↑	R	Y
51	←	←	←	←
61,62	R	↑	R	Y
81,82	R	R	G	R

MAXTIME DETECTOR INSTALLATION CHART

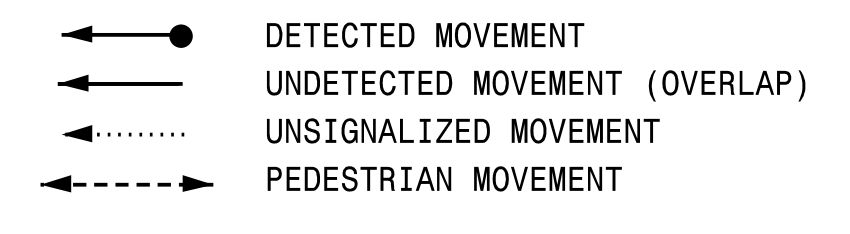
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	RELAY BURNING GREEN	NEW CARD
2A*	6X6	300	*	*	2	-	-	X	X	X	-	*
2B*	6X6	300	*	*	2	-	-	X	X	X	-	*
2C*	6X6	300	*	*	2	-	-	X	X	X	-	*
5A*	6X40	0	*	*	5	**15	-	X	X	X	-	*
6A*	6X6	300	*	*	6	-	-	X	X	X	-	*
6B*	6X6	300	*	*	6	-	-	X	X	X	-	*
8A*	6X40	0	*	*	8	-	-	X	X	X	-	*
8B*	6X40	0	*	*	8	-	-	X	X	X	-	*

3 Phase Fully Actuated (Isolated)

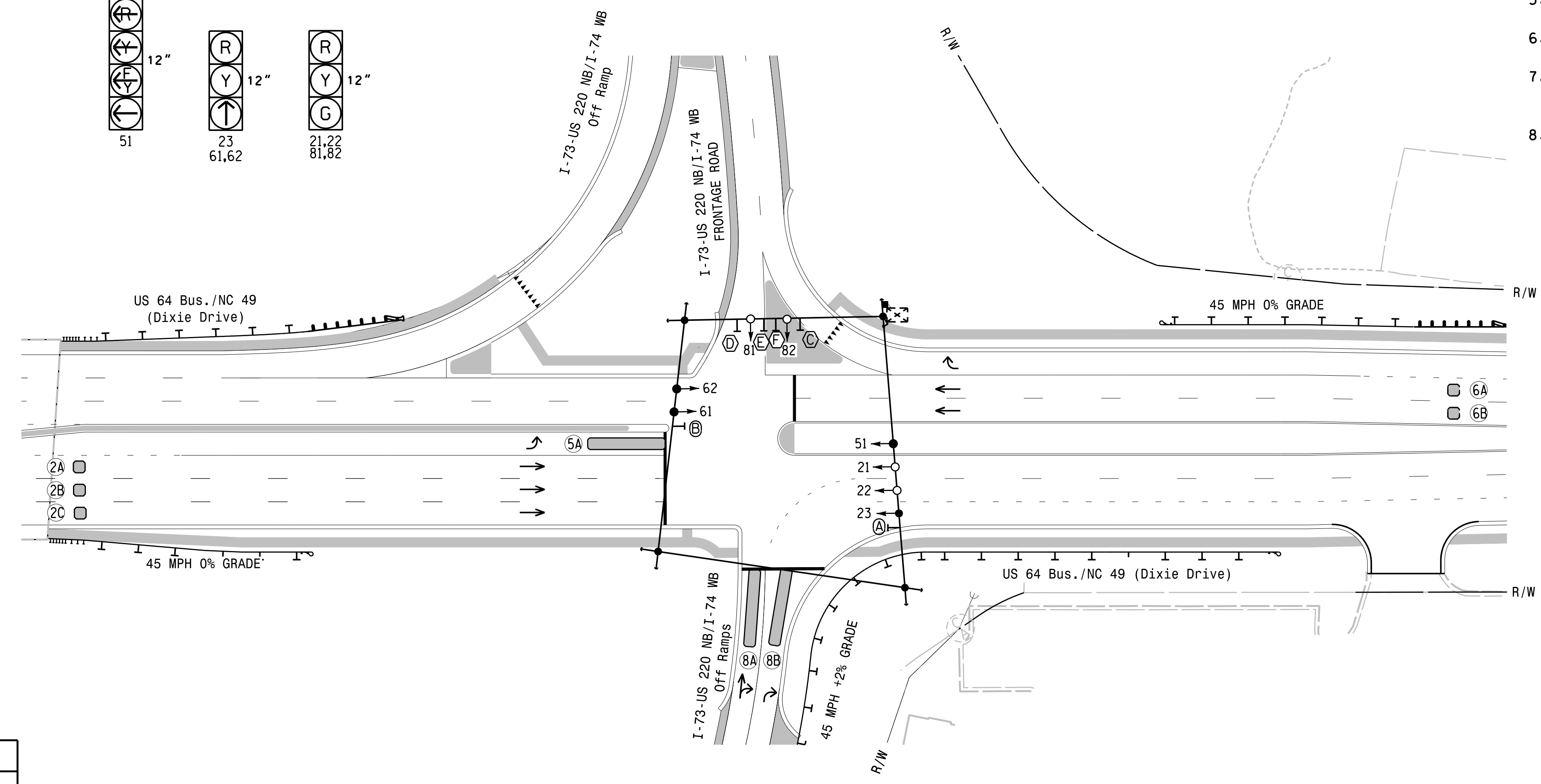
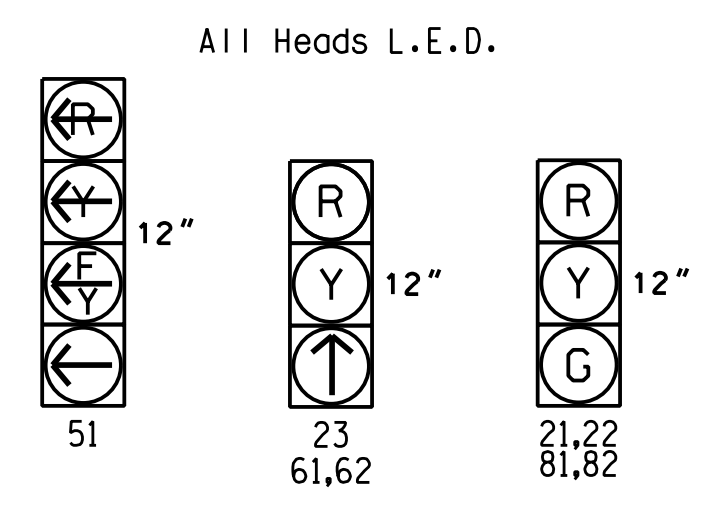
NOTES

- 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.
- Renumber existing loop 3A to 5A.
- Renumber existing signal head 22 to 23.
- Set all detector units to presence mode.
- The Division Traffic Engineer will determine the hours of use for each phasing plan.
- This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.

PHASING DIAGRAM DETECTION LEGEND



SIGNAL FACE I.D.



MAXTIME TIMING CHART

FEATURE	PHASE			
	2	5	6	8
Walk *	-	-	-	-
Ped Clear *	-	-	-	-
Min Green	12	7	12	7
Passage *	6.0	2.0	6.0	2.0
Max I *	90	20	90	30
Yellow Change	4.5	3.0	4.5	4.3
Red Clear	1.3	1.8	1.3	1.6
Added Initial *	1.0	-	1.5	-
Maximum Initial *	34	-	34	-
Time Before Reduction *	15	-	15	-
Time To Reduce *	30	-	30	-
Minimum Gap	3.0	-	3.0	-
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
	N/A
N/A	
	N/A
N/A	
N/A	

Signal Upgrade - Temporary Signal 3 (Construction Phase IIIA)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

	Prepared for: US 64 Bus./NC 49 (Dixie Drive) at I-73-US 220 NB/I-74 WB Ramps	SEAL 
	Division 8 Randolph County Asheville PLAN DATE: August 2021 REVIEWED BY: A.D. Klinksiek PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons	
750 N. Greenfield Hwy, Garner, NC 27526 HNTB NORTH CAROLINA, P.C. 343 E. Six Forks Road, Suite 200 Raleigh, North Carolina 27609 NC License No: C-1554 (919) 546-8997	REVISIONS: _____ INITI: _____ DATE: _____ DocuSigned by: 5/21/2024 DATE: _____ SIG. INVENTORY NO. 08-0501T3	