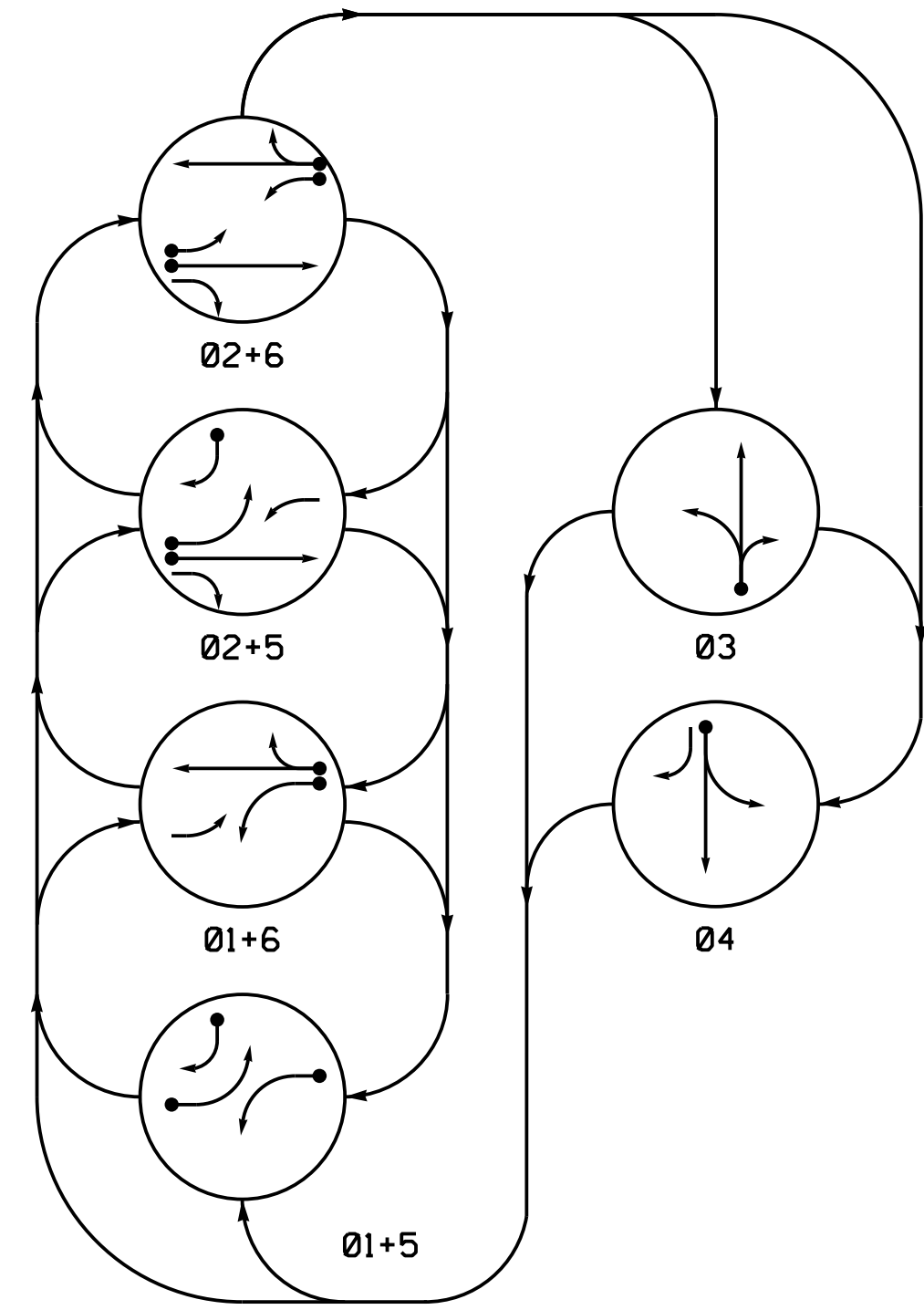
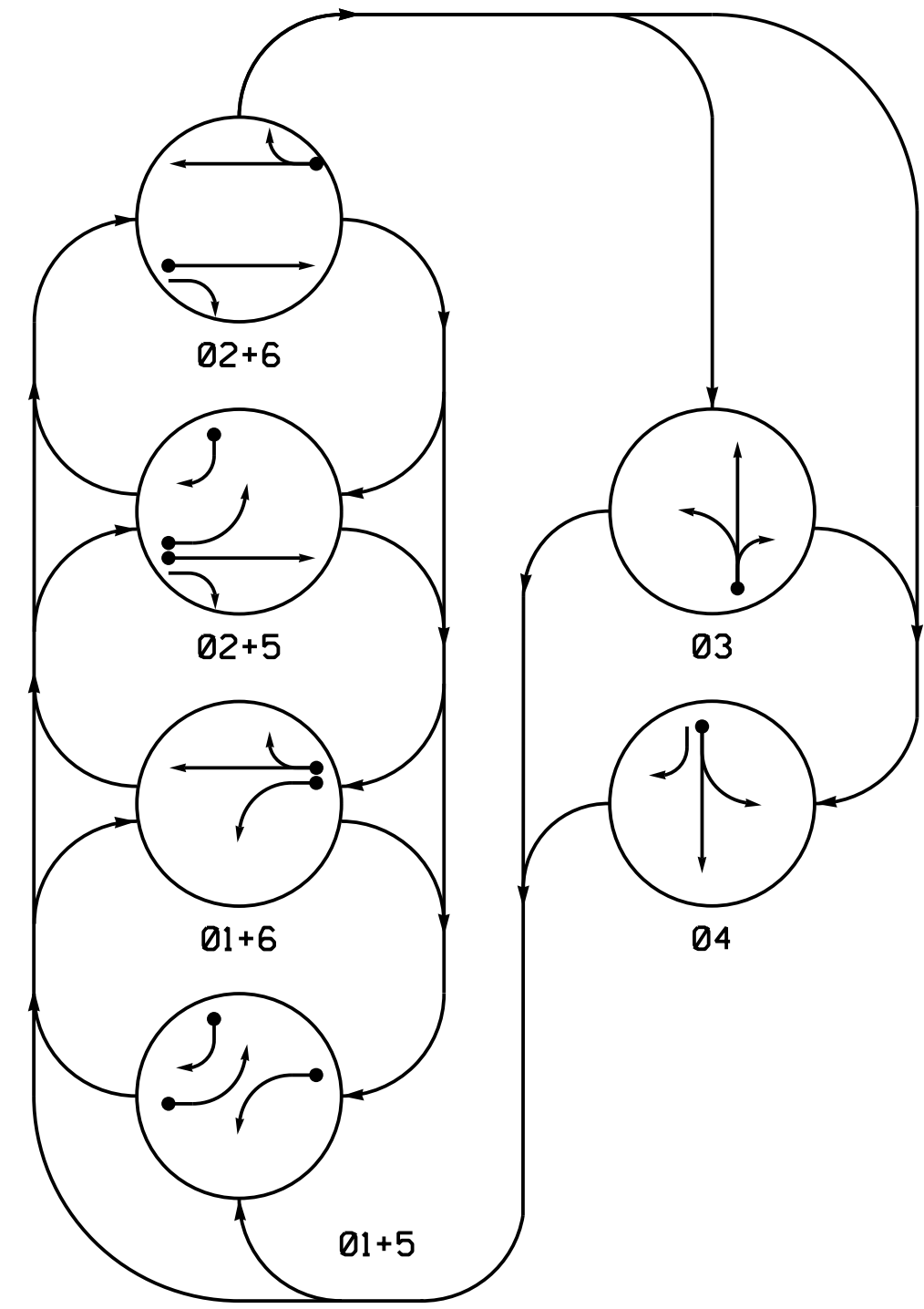


DEFAULT PHASING DIAGRAM



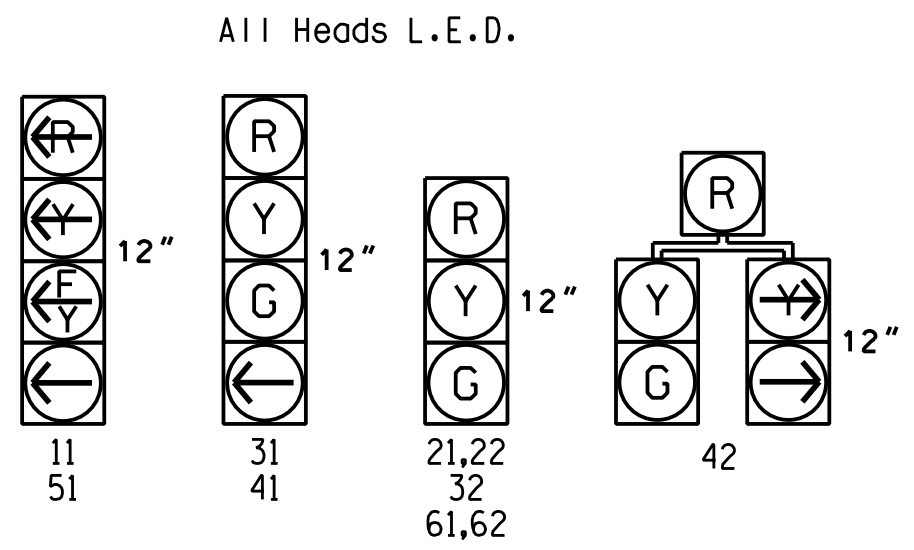
ALTERNATE PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

- ←● DETECTED MOVEMENT
- ← UNDETECTED MOVEMENT (OVERLAP)
- ← UNSIGNALIZED MOVEMENT
- ← PEDESTRIAN MOVEMENT

SIGNAL FACE I.D.



DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	03	FLASH
11	-	-	F	F	R	Y
21,22	R	R	G	G	R	Y
31	R	R	R	R	C	R
32	R	R	R	R	C	R
41	R	R	R	R	C	R
42	R	R	R	R	C	R
51	-	-	F	F	R	Y
61,62	R	G	R	G	R	Y

ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	03	FLASH
11	-	-	R	R	R	Y
21,22	R	R	G	G	R	Y
31	R	R	R	R	C	R
32	R	R	R	R	C	R
41	R	R	R	R	C	R
42	R	R	R	R	C	R
51	-	-	R	R	R	Y
61,62	R	G	R	G	R	Y

MAXTIME DETECTOR INSTALLATION CHART

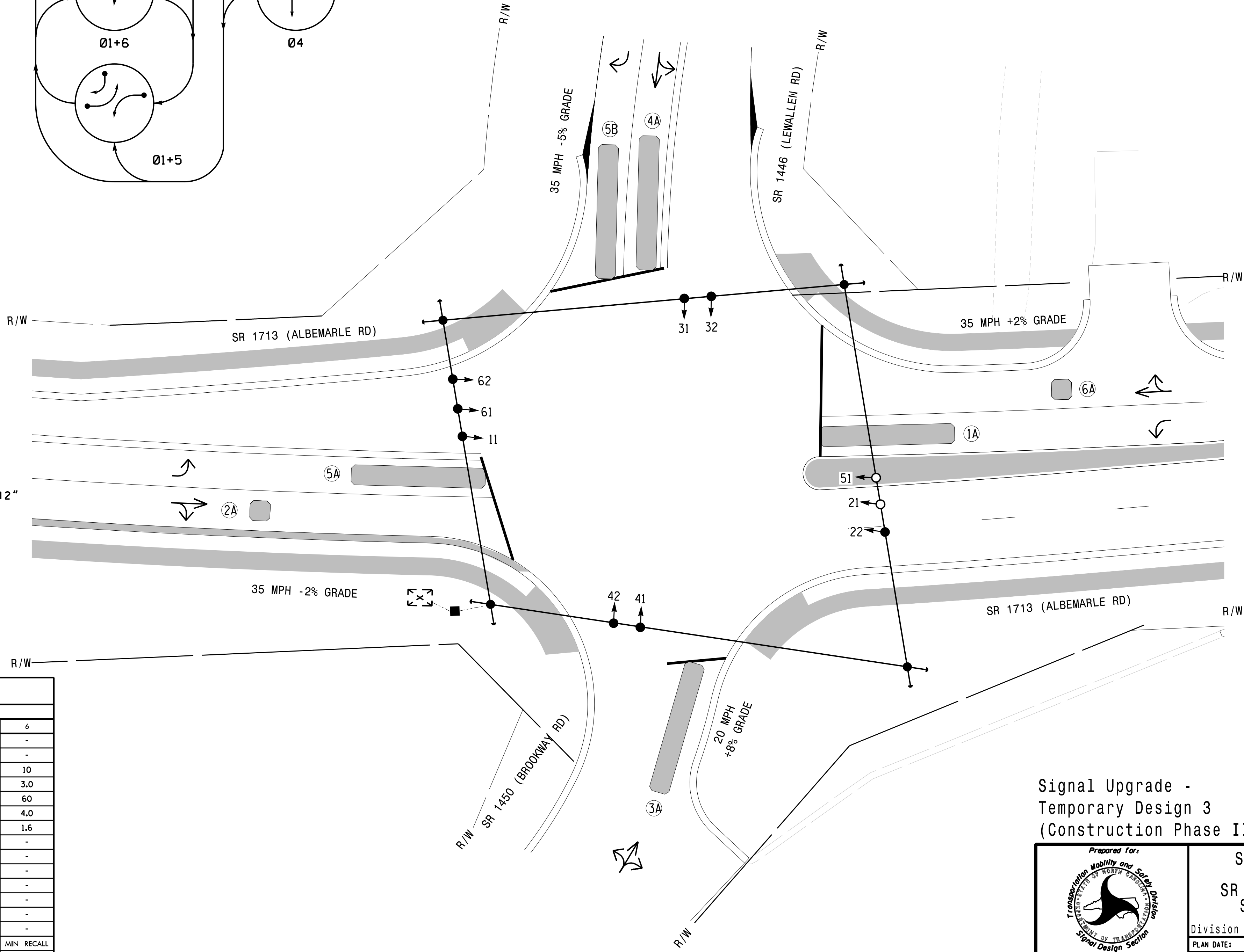
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING					
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND INITIAL	CALL	NEW CARD
1A*	6X40	0	*	*	1	**15	-	X	X	*
2A*	6X6	70	*	*	2	-	-	X	X	*
3A*	6X40	0	*	*	3	10	-	X	X	*
4A*	6X40	0	*	*	4	3	-	X	X	*
5A*	6X40	0	*	*	5	**15	-	X	X	*
5B*	6X40	0	*	*	5	15	-	X	X	*
6A*	6X6	70	*	*	6	-	-	X	X	*

* Microwave Detection
 ** Disable Delay during Alternate Phasing Operation.
 * Disable phase call during Alternate Phasing operation.

6 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 1 and/or 5 may be lagged.
- The order of phase 3 and 4 may be reversed.
- Reconnect and unbag existing signal heads 11,31 and 32.
- Set all detector units to presence mode.
- This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- The Division Traffic Engineer will determine the hours of use for each phasing plan.



LEGEND

PROPOSED	EXISTING

MAXTIME TIMING CHART

FEATURE	PHASE					
	1	2	3	4	5	6
Walk *	-	-	-	-	-	-
Ped Clear *	-	-	-	-	-	-
Min Green	7	10	7	7	7	10
Passage *	2.0	3.0	2.0	2.0	2.0	3.0
Max I *	20	60	20	30	20	60
Yellow Change	3.0	4.0	3.0	4.2	3.0	4.0
Red Clear	2.1	1.6	3.1	1.7	2.3	1.6
Added Initial *	-	-	-	-	-	-
Maximum Initial *	-	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-	-
Time To Reduce *	-	-	-	-	-	-
Minimum Gap	-	-	-	-	-	-
Advance Walk	-	-	-	-	-	-
Non Lock Detector	X	-	X	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.

Signal Upgrade -
 Temporary Design 3
 (Construction Phase III)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

	SR 1713 (Albemarle Rd) at SR 1446 (Lewallen Rd) and SR 1450 (Brookway Rd)		SEAL
	Division 8 Randolph County Asheville PLAN DATE: August 2021 PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons	REVIEWED BY: A.D. Klinksiek REVIEWED BY: N.R. Simmons	

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