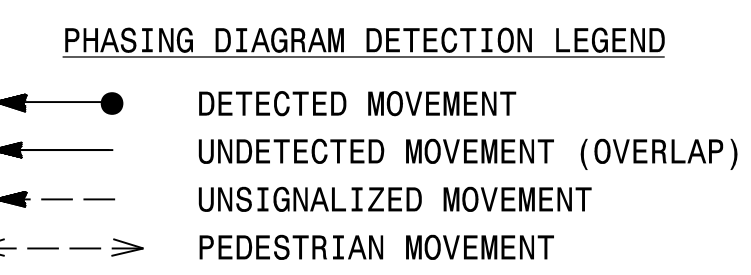
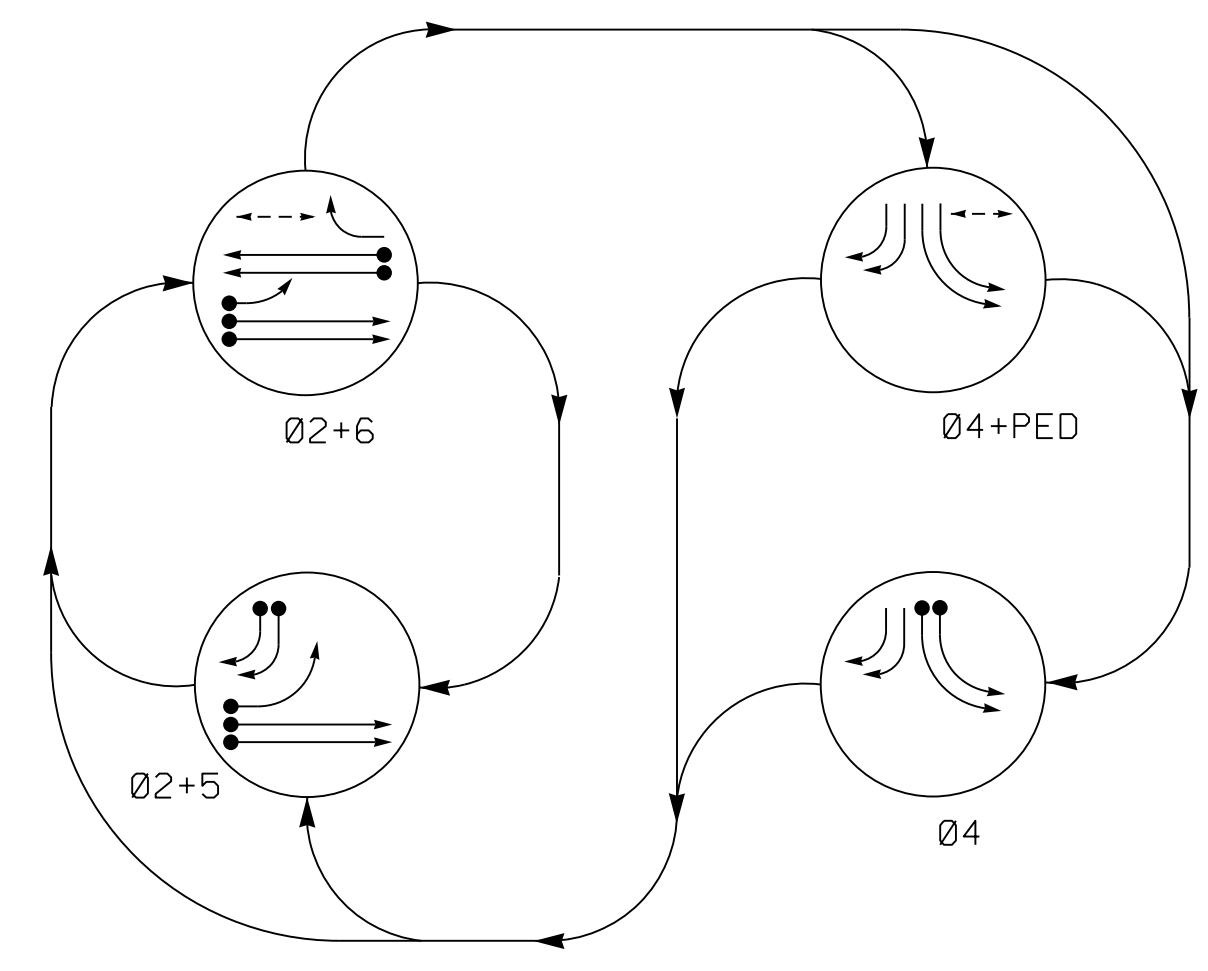
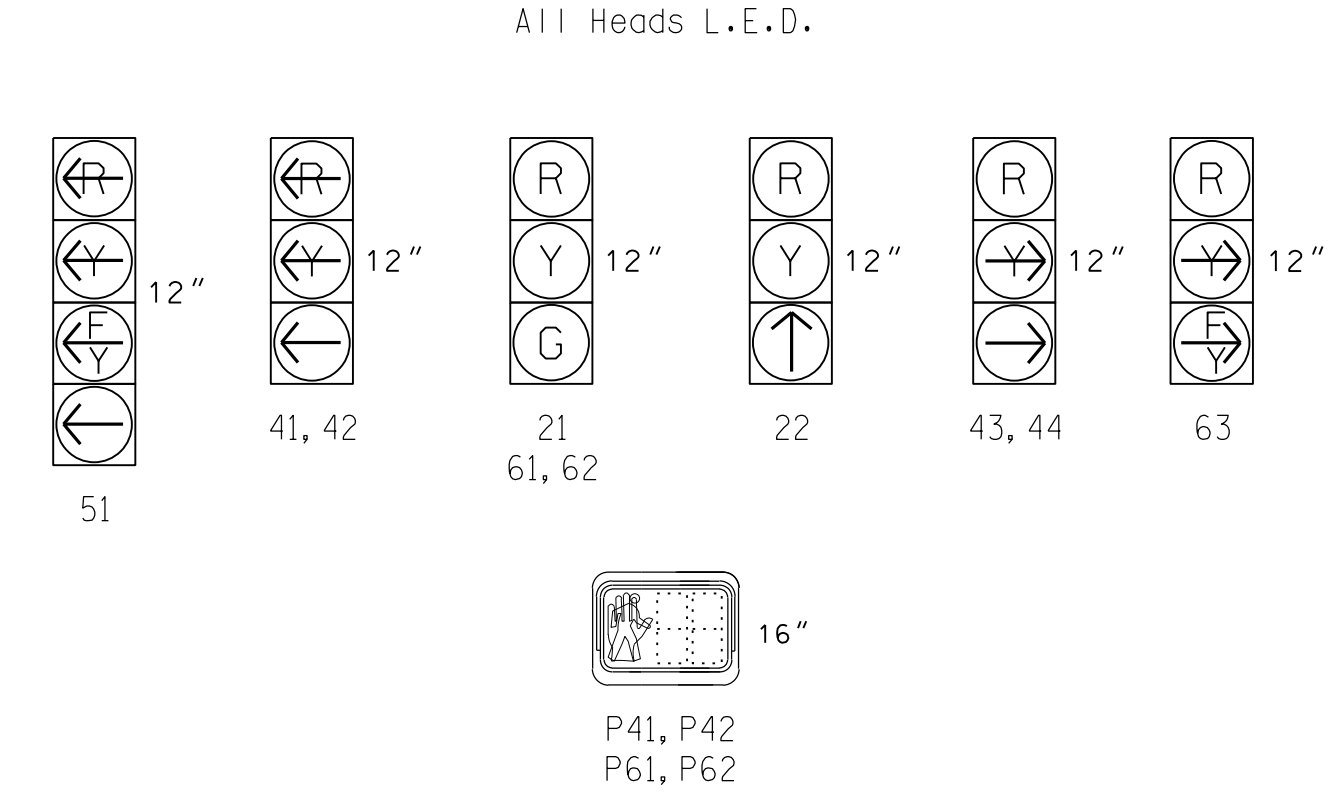


PHASING DIAGRAM



SIGNAL FACE	PHASE			
	Ø2+5	Ø2+6	Ø4+PED	Ø4
21	G	G	R	Y
22	↑	↑	R	Y
41, 42	←	←	←	←
43, 44	→	→	→	→
51	←	←	←	←
61, 62	R	G	R	Y
63	R	←	R	←
P41, P42	DW	DW	W	DW DRK
P61, P62	DW	W	DW	DW DRK
Sign "B"	OFF	OFF	ON	OFF

SIGNAL FACE I.D.



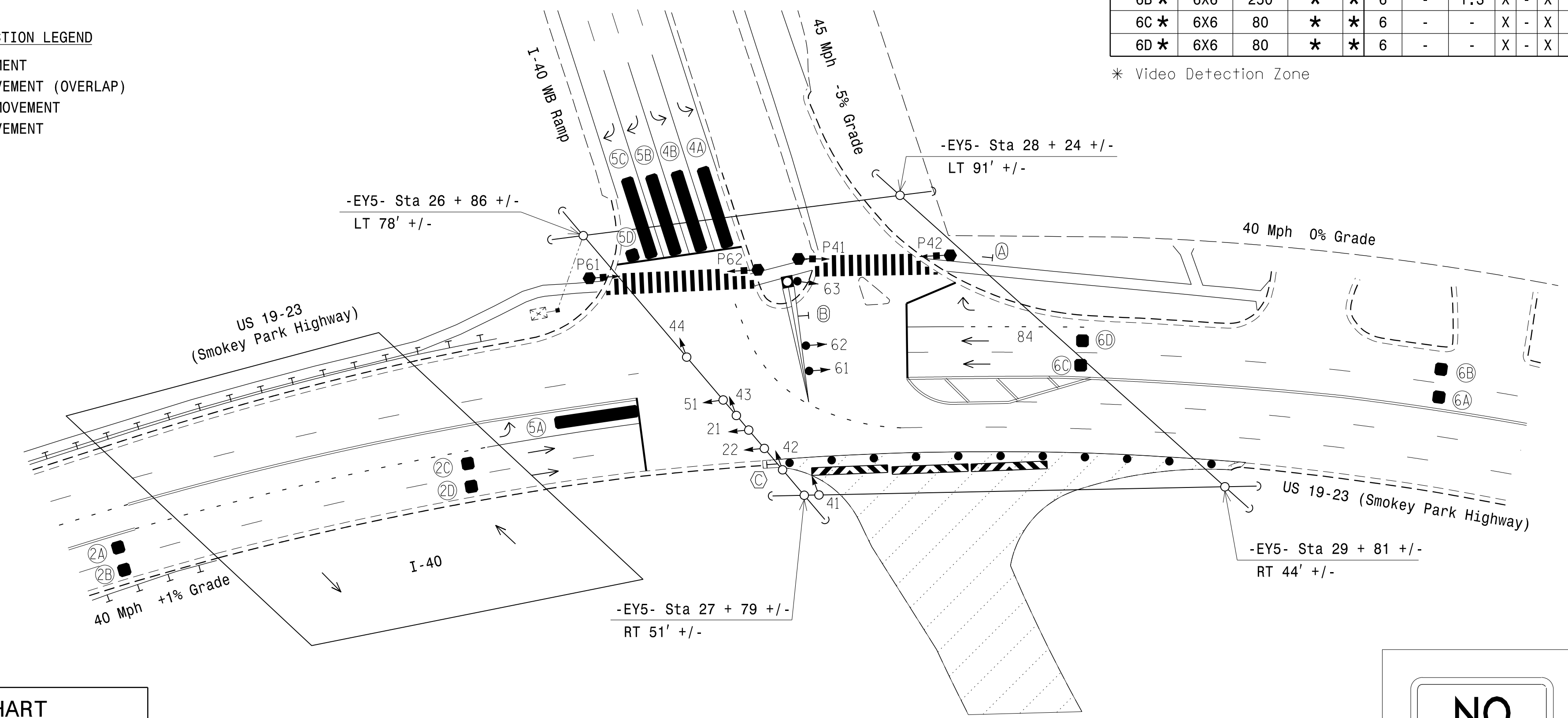
MAXTIME DETECTOR INSTALLATION CHART											
DETECTOR						PROGRAMMING					
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL CALL	DELAY DURING GREEN	NEW CARD
2A *	6X6	250	*	*	2	-	1.3	X	-	X	-
2B *	6X6	250	*	*	2	-	1.3	X	-	X	-
2C *	6X6	80	*	*	2	-	-	X	-	X	-
2D *	6X6	80	*	*	2	-	-	X	-	X	-
4A *	6X40	0	*	*	4	-	-	X	-	X	-
4B *	6X40	0	*	*	4	-	-	X	-	X	-
5A *	6X40	0	*	*	5	15	-	X	-	X	-
5B *	6X40	0	*	*	5	15	-	X	-	X	-
5C *	6X40	0	*	*	5	15	-	X	-	X	-
5D *	6X6	0	*	*	5	15	-	X	-	X	-
6A *	6X6	250	*	*	6	-	1.3	X	-	X	-
6B *	6X6	250	*	*	6	-	1.3	X	-	X	-
6C *	6X6	80	*	*	6	-	-	X	-	X	-
6D *	6X6	80	*	*	6	-	-	X	-	X	-

* Video Detection Zone

4 Phase Fully Actuated (Asheville Signal System)

NOTES

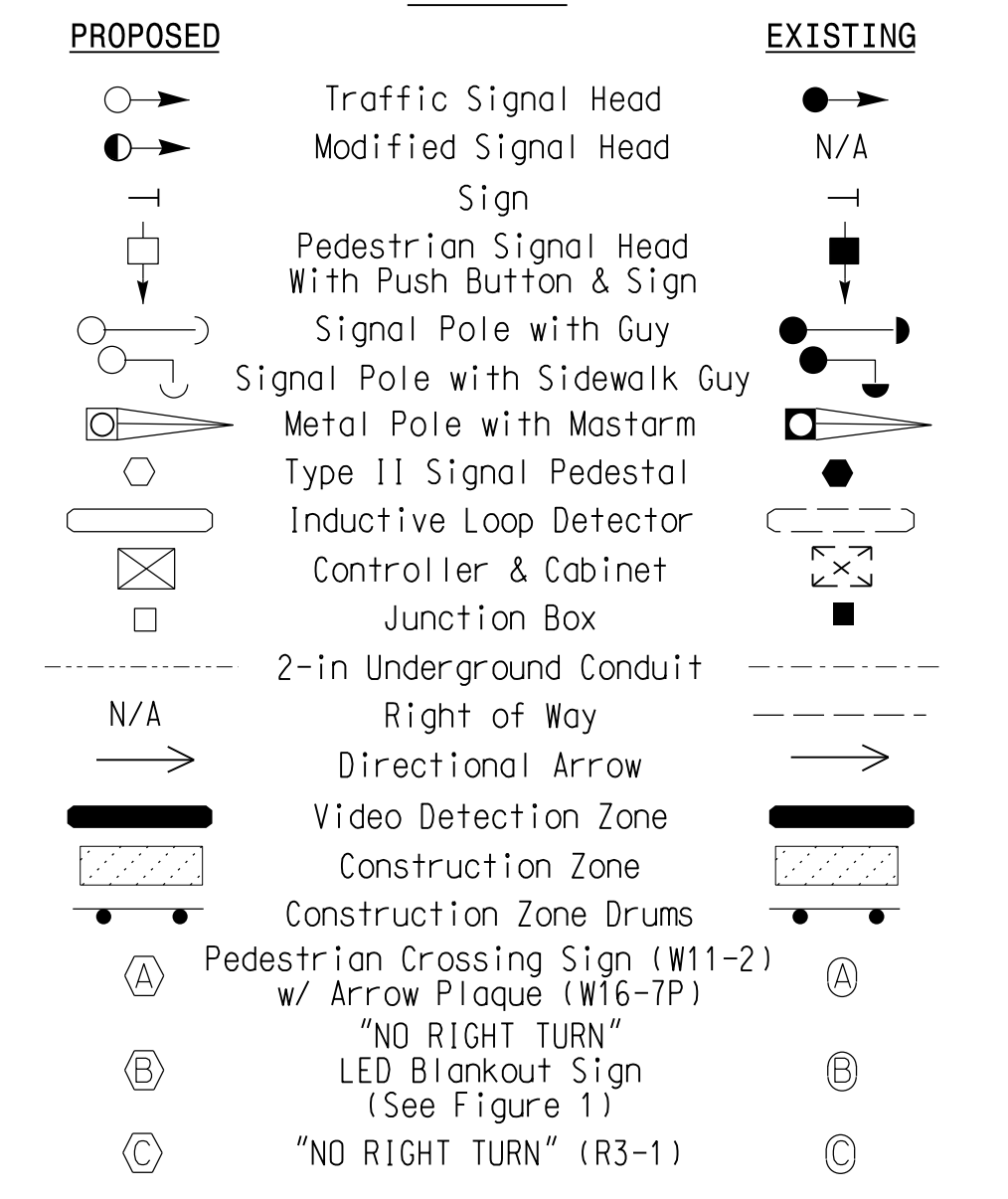
- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 5 may be lagged.
- Set all detector units to presence mode.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- 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.



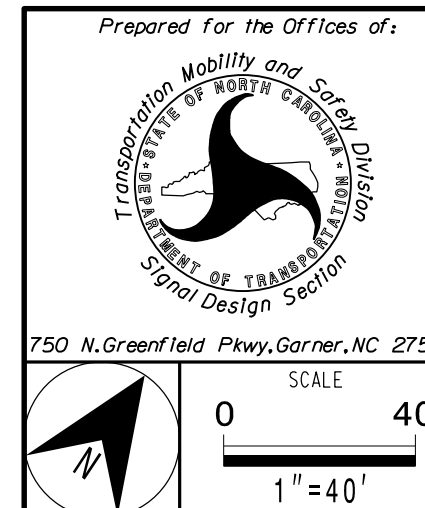
FEATURE	PHASE			
	2	4	5	6
Walk *	-	7	-	7
Ped Clear *	-	13	-	16
Min Green	12	7	7	12
Passage *	2.0	2.0	2.0	2.0
Max I *	70	35	25	70
Yellow Change	4.2	3.1	3.0	4.2
Red Clear	2.5	3.9	3.6	3.2
Added Initial *	-	-	-	-
Maximum Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
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



Signal Upgrade Temporary Design 1 (TMP Phases I - II)



US 19-23 (Smokey Park Highway) at I-40 WB Ramps		
Division 13	Buncombe County	Asheville
PLAN DATE: December 2023	REVIEWED BY: R. Garrett	
PREPARED BY: M. Tindal	REVIEWED BY:	
REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



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