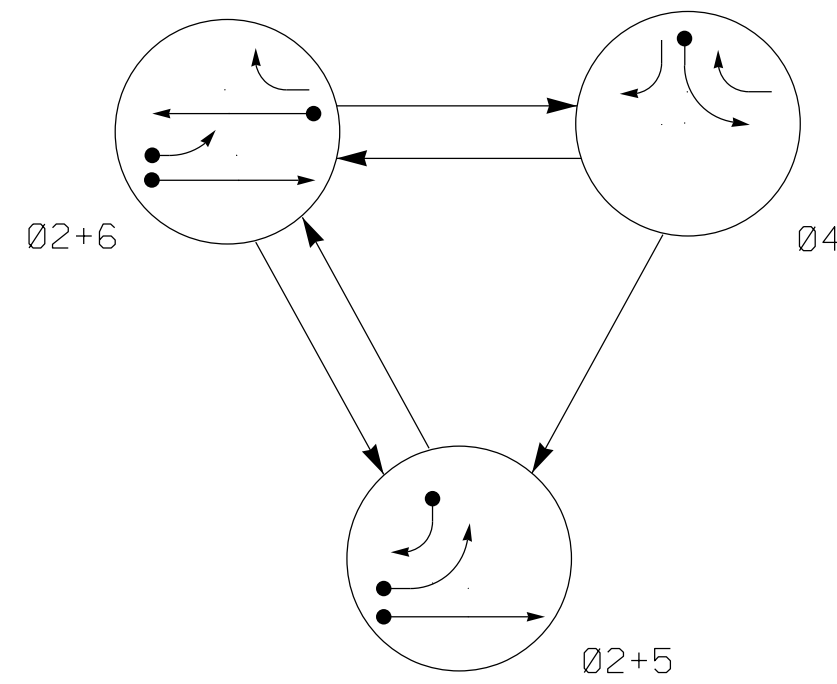
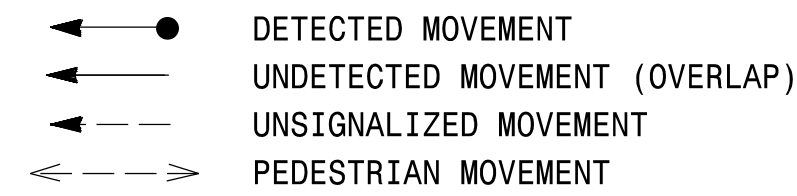


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND



SIGNAL FACE I.D.

All Heads L.E.D.

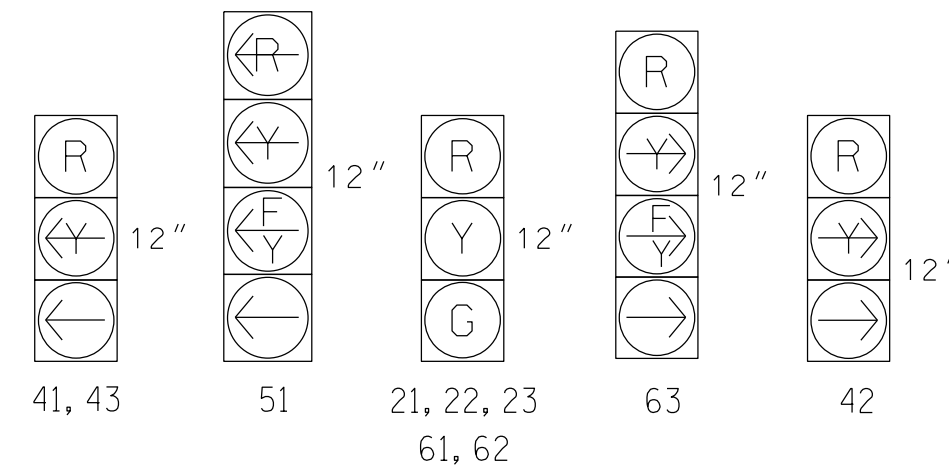


TABLE OF OPERATION

SIGNAL FACE	PHASE			
	02+5	02+6	04	02+5
21, 22, 23	G	G	R	Y
41, 43	R	R	←	R
42	→	R	→	R
51	←	←	←	←
61, 62	R	G	R	Y
63	R	←	←	←

MAXTIME DETECTOR INSTALLATION CHART

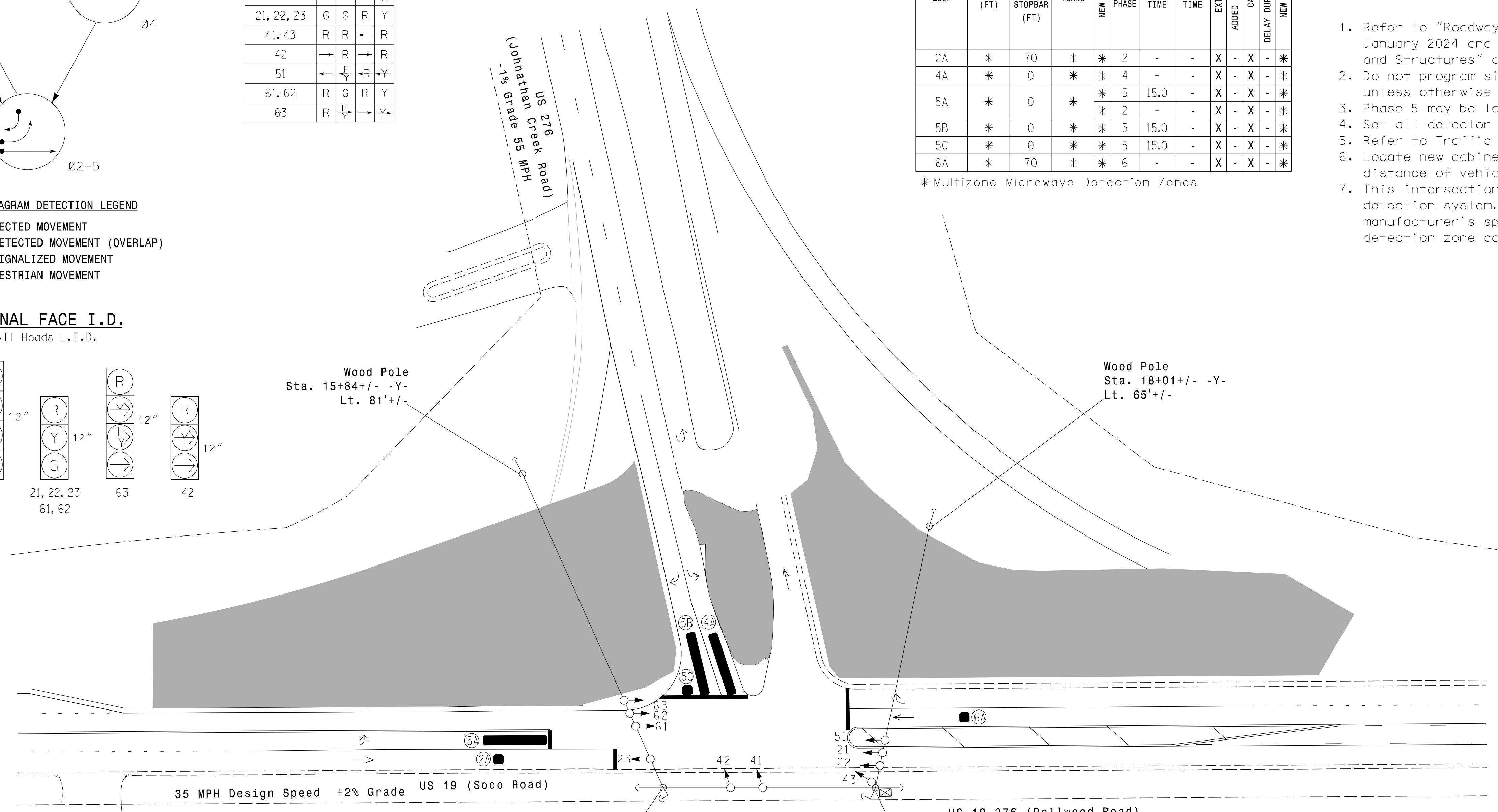
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	PROGRAMMING							
				NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND ADDED INITIAL	CALL DELAY DURING GREEN	NEW CARD	
2A	*	70	*	*	2	-	-	X	X	-	*
4A	*	0	*	*	4	-	-	X	X	-	*
5A	*	0	*	*	5	15.0	-	X	X	-	*
				*	2	-	-	X	X	-	*
5B	*	0	*	*	5	15.0	-	X	X	-	*
5C	*	0	*	*	5	15.0	-	X	X	-	*
6A	*	70	*	*	6	-	-	X	X	-	*

* Multizone Microwave Detection Zones

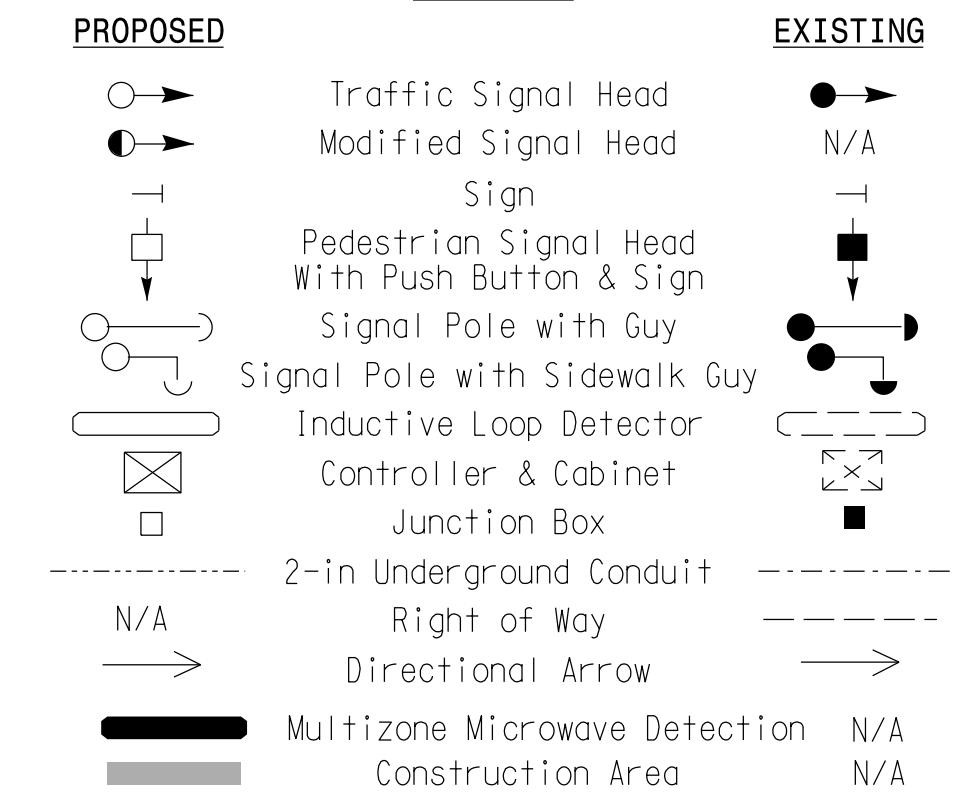
3 Phase Fully Actuated Isolated

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.
- Set all detector units to presence mode.
- Refer to Traffic Management Plan for pavement markings.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- This intersection features a multizone microwave detection system. Install detectors according to manufacturer's specifications to ensure optimum detection zone coverage.



LEGEND



MAXTIME TIMING CHART

FEATURE	PHASE			
	2	4	5	6
Walk *	-	-	-	-
Ped Clear	-	-	-	-
Min Green *	10	7	7	10
Passage *	3.0	2.0	2.0	3.0
Max I *	90	45	35	90
Yellow Change	4.3	3.0	3.0	4.3
Red Clear	3.3	2.9	4.0	3.3
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.

Signal Upgrade-Temporary Design (TCP Phase I)

 VHB Engineering NC, P.C. (C-3705) 940 Main Campus Drive, Suite 500 Raleigh, NC 27607 P: 919-829-0328	Prepared For the Offices of: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION Signal Design Section	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED M. L. Lewis ENGINEER
	US 19 (Soco Road) / US 19-276 (Dellwood Road) at US 276 (Johnathan Creek Road) Division 14 Haywood County Dellwood	PLAN DATE: April 2024 PREPARED BY: J. Ma REVISIONS: _____ SCALE: 1"=40' DATE: 4/18/2024