

PHASING DIAGRAM

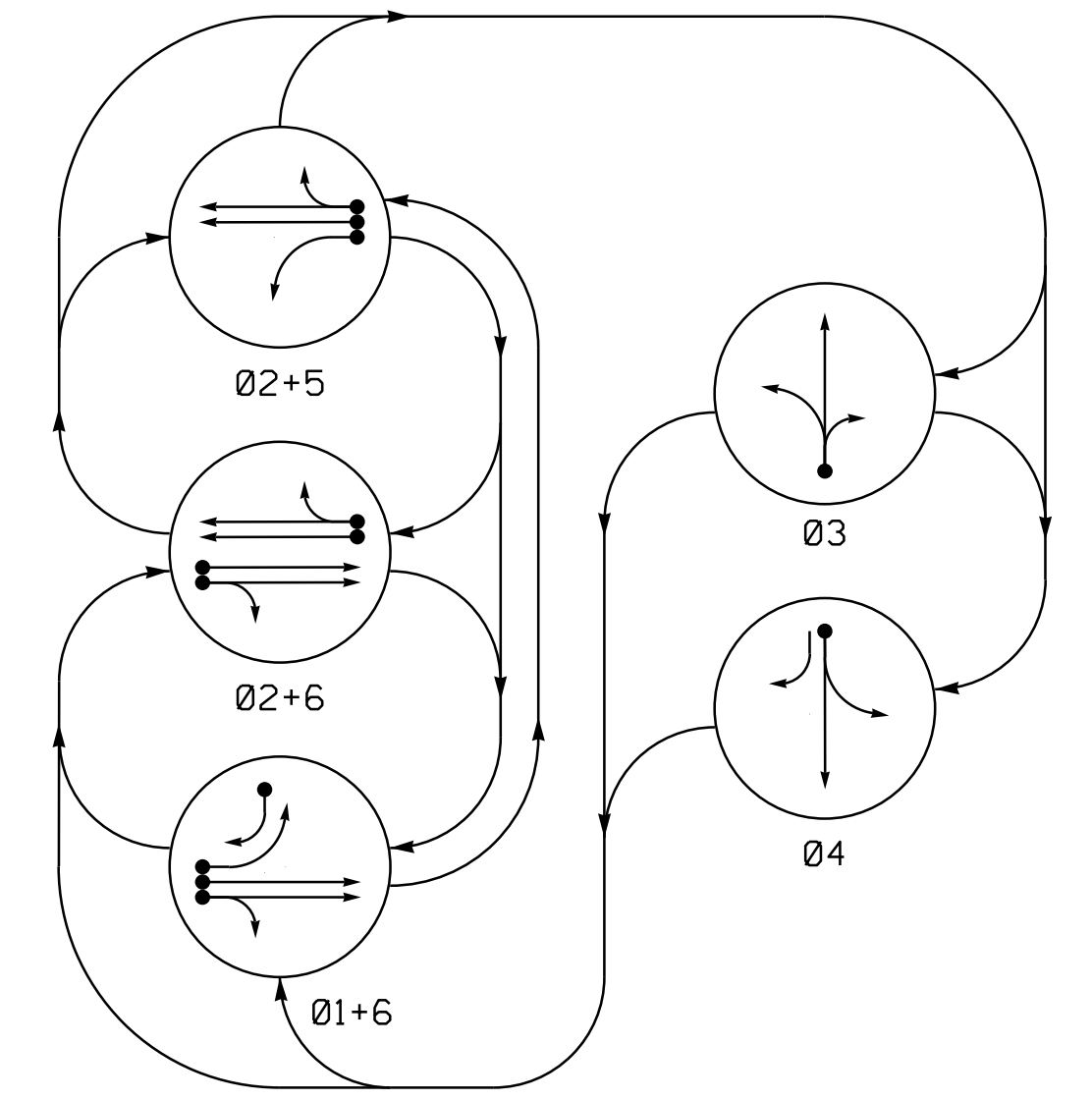
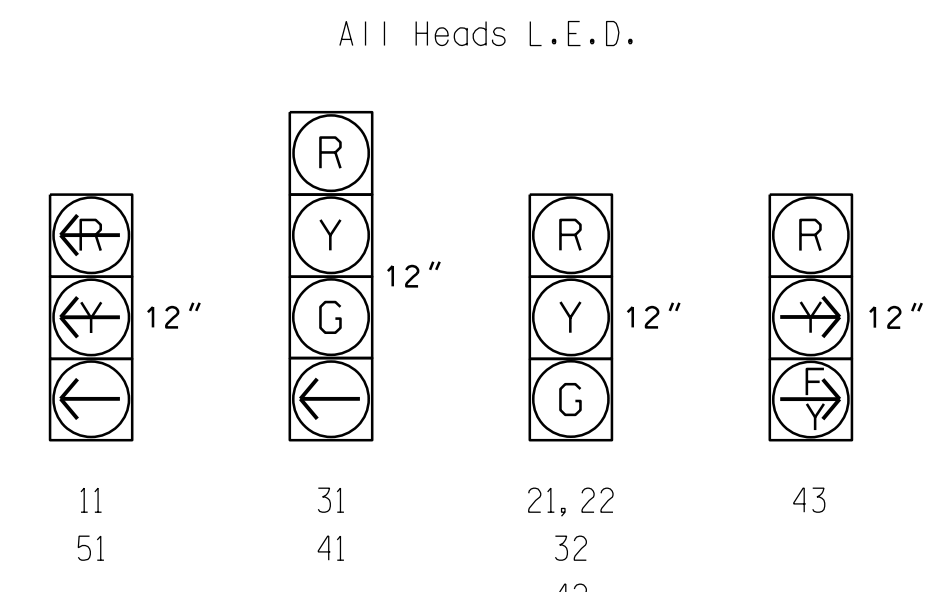


TABLE OF OPERATION

SIGNAL FACE	PHASE					
	01+6	02+6	02+5	03	04	ESB/RT
11	←	←	←	←	←	←
21, 22	R	G	G	R	R	Y
31	R	R	R	G	R	R
32	R	R	R	G	R	R
41	R	R	R	R	C	R
42	←	R	R	R	G	R
43	←	R	R	R	R	R
51	←	←	←	←	←	←
61, 62	G	G	R	R	R	Y

SIGNAL FACE I.D.



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 DURING GREEN	NEW CARD
1A	6X40	0	*	*	1	3	-	X	-	X	-	*
1B	6X40	0	*	*	1	15	-	X	-	X	-	*
2A	6X6	70	*	*	2	-	-	X	-	X	-	*
2B	6X6	70	*	*	2	-	-	X	-	X	-	*
3A	6X40	0	*	*	3	10	-	X	-	X	-	*
4A	6X40	0	*	*	4	3	-	X	-	X	-	*
5A	6X40	0	*	*	5	3	-	X	-	X	-	*
6A	6X6	70	*	*	6	-	-	X	-	X	-	*
6B	6X6	70	*	*	6	-	-	X	-	X	-	*

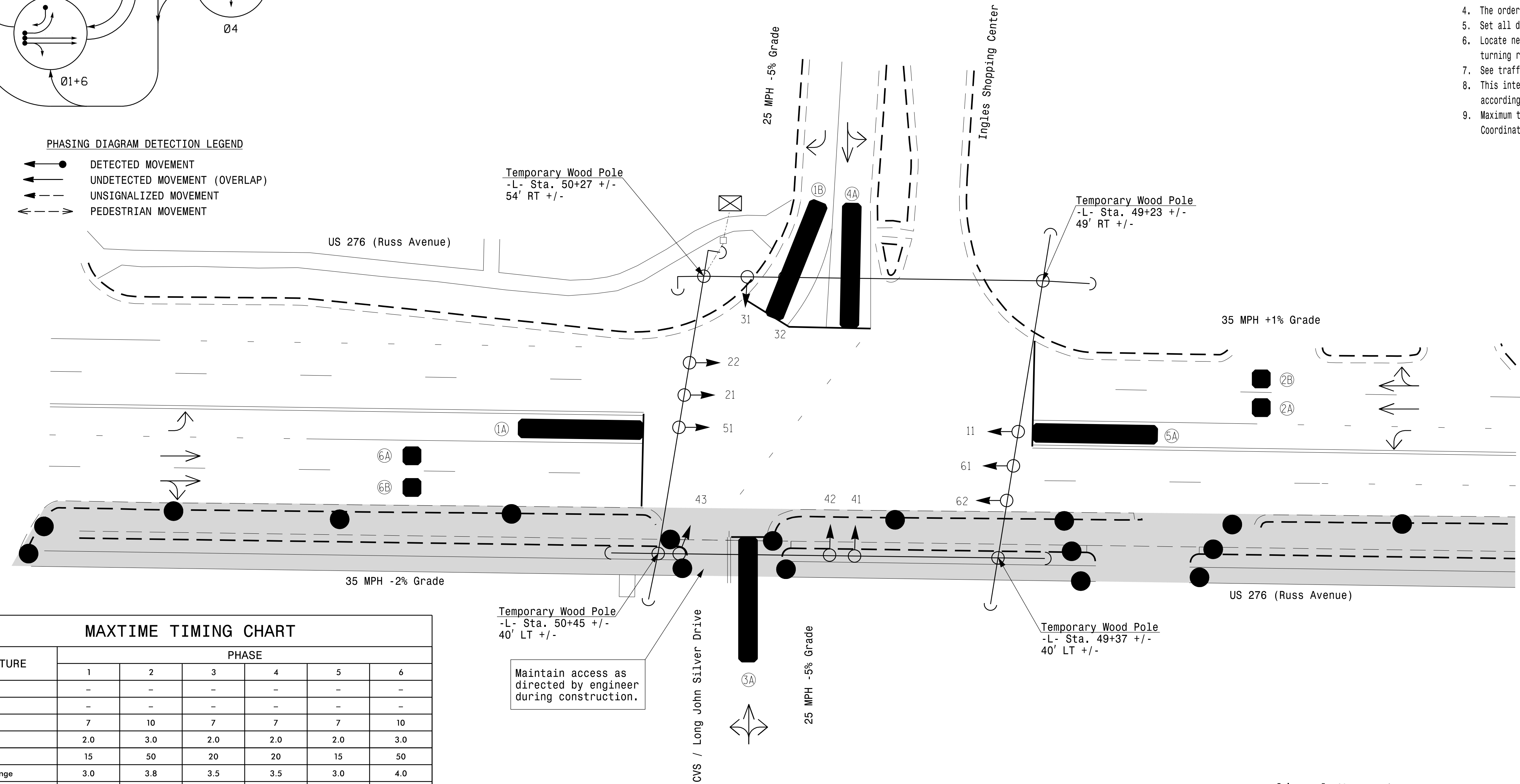
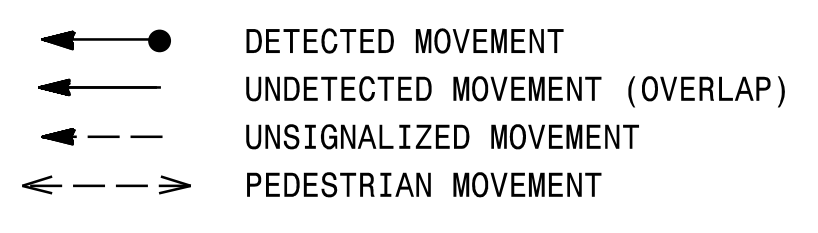
* Multizone Microwave Detection

5 Phase Fully Actuated D14-12_Waynesville

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- The order of Phase 1+6 and phase 2+5 may be reversed.
- The order of Phase 3 and phase 4 may be reversed.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- See traffic control plans for stop bar and crosswalk locations.
- This intersection uses multizone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

PHASING DIAGRAM DETECTION LEGEND

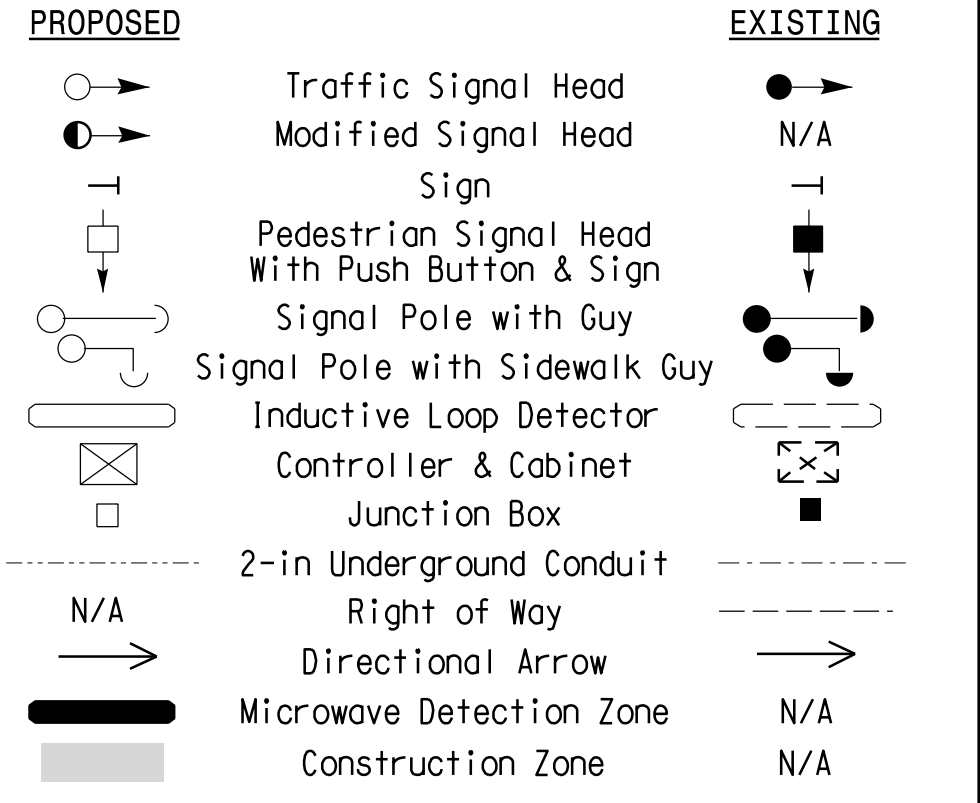


MAXTIME TIMING CHART

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 *	15	50	20	20	15	50
Yellow Change	3.0	3.8	3.5	3.5	3.0	4.0
Red Clear	2.9	2.5	2.1	2.1	3.3	2.0
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.

LEGEND



Signal Upgrade Temporary Design 1 - (TMP Phase I)



	<p>US 276 (Russ Avenue) at Ingles Shopping Center / Long John Silver Drive</p>	
	<p>Division 14 Haywood County Waynesville</p>	<p>PLAN DATE: April 2023 REVIEWED BY: WJ Hamilton</p>
<p>PREPARED BY: TS Popelka RKA PROJ. NO.: 16085 (040)</p>	<p>750 N. Greenfield Pkwy, Garner, NC 27529</p>	<p>SEAL</p>
<p>REVISIONS</p>	<p>INIT. DATE</p>	<p>SIGNATURE</p>
<p>DATE</p>	<p>DATE</p>	<p>DATE</p>
<p>SCALE: 0 20 1"=20'</p>	<p>04/11/2023</p>	<p>04/11/2023</p>
<p>SIG. INVENTORY NO. 14-068911</p>	<p>04/11/2023</p>	<p>04/11/2023</p>

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED