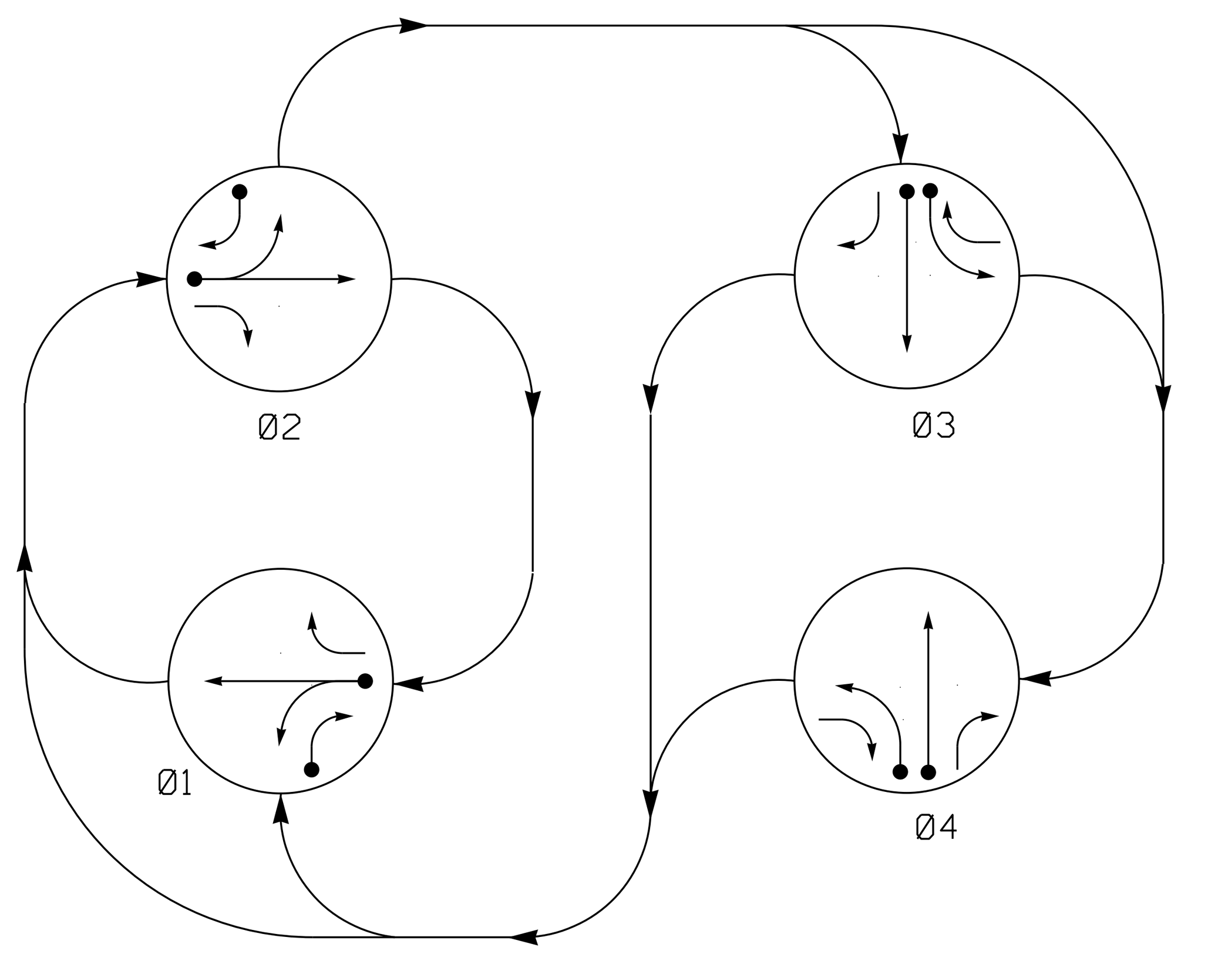
PROJECT REFERENCE NO.	SHEET NO.
U-5783	Sig. 4.0

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

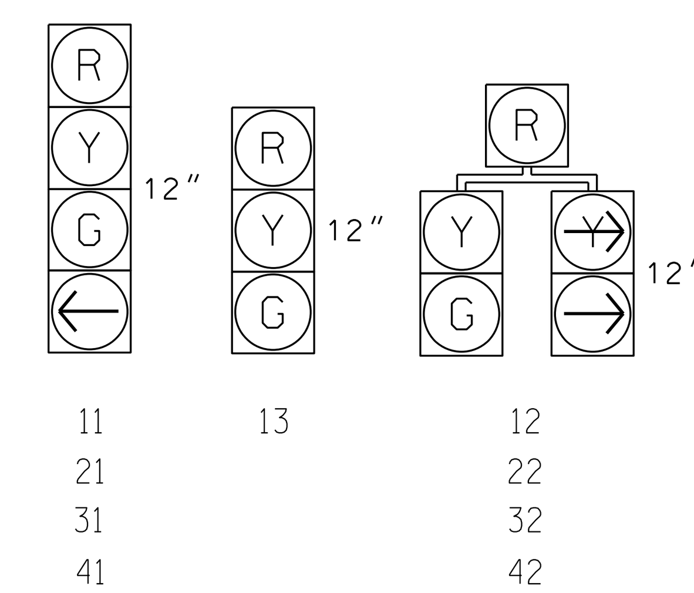
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE Ø1	Ø2	Ø3	Ø4	FLASH
11	G ←	R	R	R	Y
12	G	R	R/→	R	Y
13	G	R	R	R	Y
21	R	G ←	R	R	Y
22	R	G	R	R/→	Y
31	R	R	G ←	R	R
32	R	R/→	G	R	R
41	R	R	R	G ←	R
42	R/→	R	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.



MAXTIME DETECTOR INSTALLATION CHART

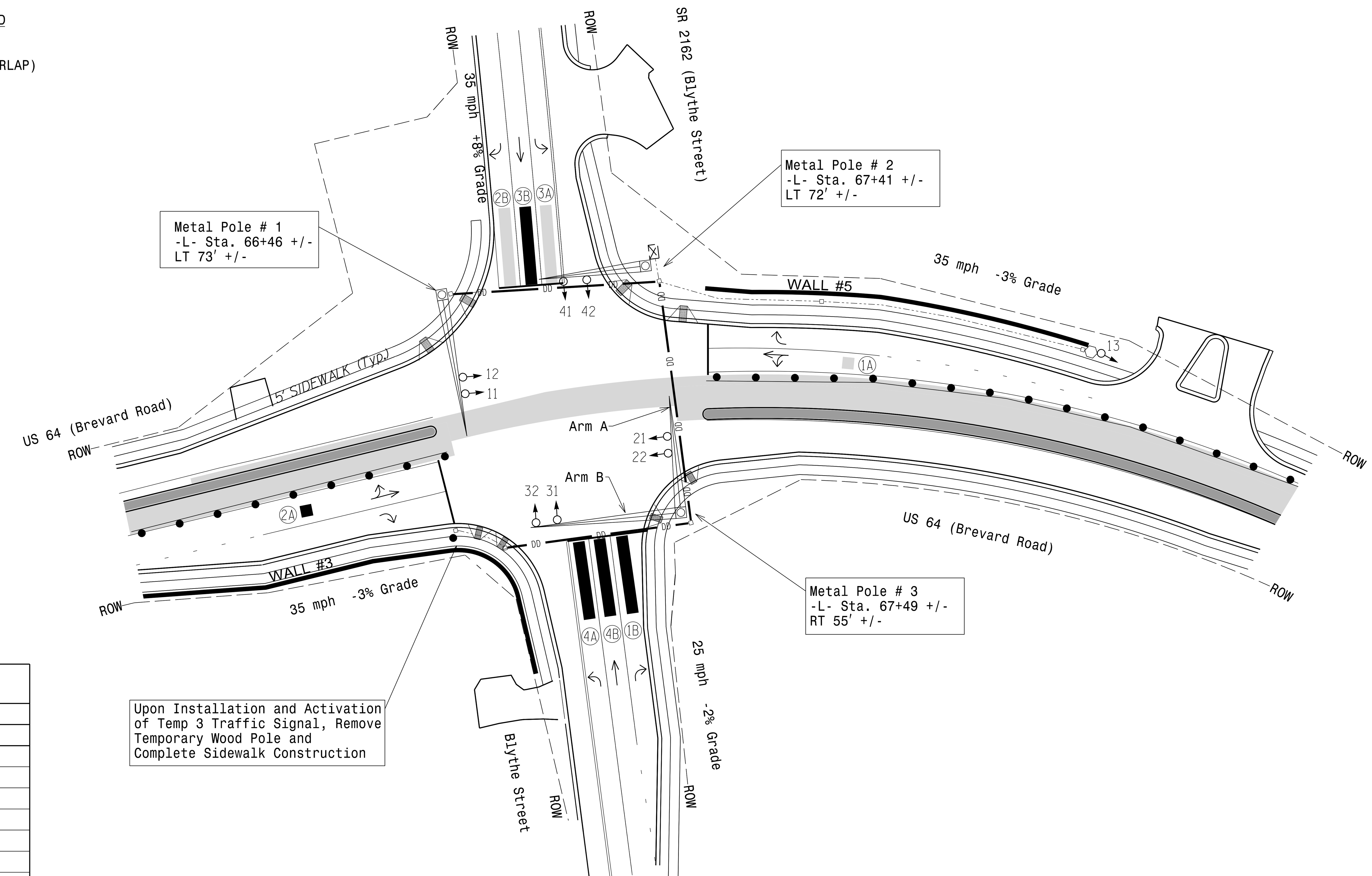
DETECTOR					PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
1A	*	70	*	*	1	-	-	X	-	X	-	*
1B	*	0	*	*	1	15.0	-	X	-	X	-	*
2A	*	70	*	*	2	-	-	X	-	X	-	*
2B	*	0	*	*	2	15.0	-	X	-	X	-	*
3A	*	0	*	*	3	-	-	X	-	X	-	*
3B	*	0	*	*	3	-	-	X	-	X	-	*
4A	*	0	*	*	4	-	-	X	-	X	-	*
4B	*	0	*	*	4	-	-	X	-	X	-	*

* Multi-Zone Microwave Detection Area

4 Phase
Fully Actuated
Isolated

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Set all detector units to presence mode.
4. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
5. All proposed signal heads, pedestals, posts and bases shall be hunter green in color.
6. See Roadway Pavement Marking Plans for pavement marking locations.
7. This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection. Relocate/re-position detectors from TCP Phase 5A to achieve detection shown.



LEGEND

	PROPOSED	EXISTING
Traffic Signal Head		
Modified Signal Head		N/A
Sign		
Pedestrian Signal Head With Push Button & Sign		
Signal Pole with Guy		
Signal Pole with Sidewalk Guy		
Metal Pole with Mastarm		
Inductive Loop Detector		
Controller & Cabinet		
Junction Box		
2-in Underground Conduit		
Directional Drill		N/A
Right of Way	N/A	
Directional Arrow		
Curb Ramp	N/A	
Type II Signal Pedestal		
Type I Pushbutton Post		
Construction Zone		
Construction Zone Drums		
Road Closure Barricades		
Non-Intrusive Detection Zone		

MAXTIME TIMING CHART

FEATURE	PHASE 1	2	3	4
Walk *	–	–	–	–
Ped Clear	–	–	–	–
Min Green*	10	10	7	7
Passage *	3.0	3.0	2.0	2.0
Max 1 *	45	45	30	20
Yellow Change	4.1	4.1	3.0	4.0
Red Clear	2.3	2.2	3.2	2.2
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.

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Temporary Signal - TCP Phase 5B

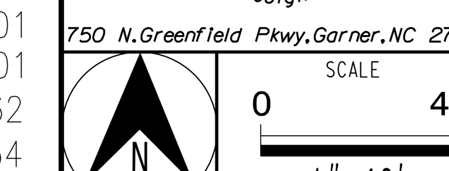
Prepared for the Offices of:
Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION
Signal Design Section
750 N.Greenfield Pkwy,Garner,NC 27529

US 64 (Brevard Road) at SR 2162 (Blythe Street)

Division 14 Henderson County Hendersonville

PLAN DATE:	September 2023	REVIEWED BY:	JB Voso
PREPARED BY:	KG Eudy	REVIEWED BY:	

REVISIONS	INIT.	DATE



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 022599 ENGINEER JAMES B. VOSO
DocuSigned by: James Voso
140FD60379E041F...
SIGNATURE 4/1/2024 DATE

SIG. INVENTORY NO. I4-0002T3