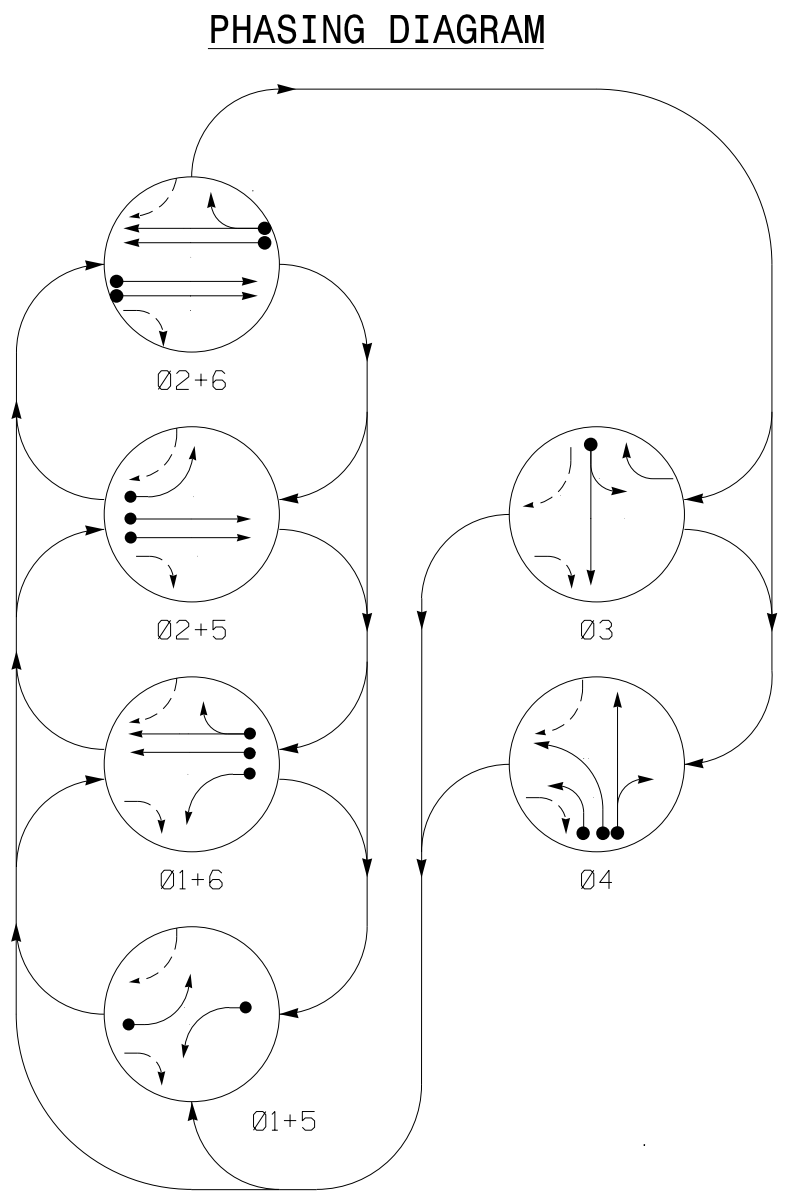


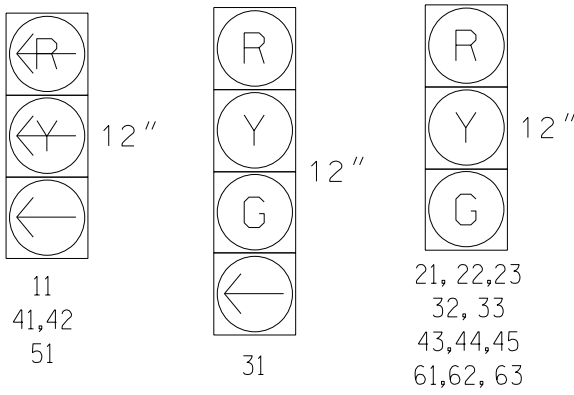
PROJECT REFERENCE NO.	SHEET NO.
R-5857	Sig. 3.0



SIGNAL FACE	PHASE					
	Ø 1 + 5	Ø 1 + 6	Ø 2 + 5	Ø 2 + 6	Ø 3	Ø 4
11	←	←	←	←	←	←
21, 22, 23	R	R	G	G	R	R
31	R	R	R	R	G	R
32, 33	R	R	R	R	G	R
41, 42	←	←	←	←	←	R
43, 44, 45	R	R	R	R	R	G
51	←	←	←	←	←	←
61, 62, 63	R	G	R	G	R	R

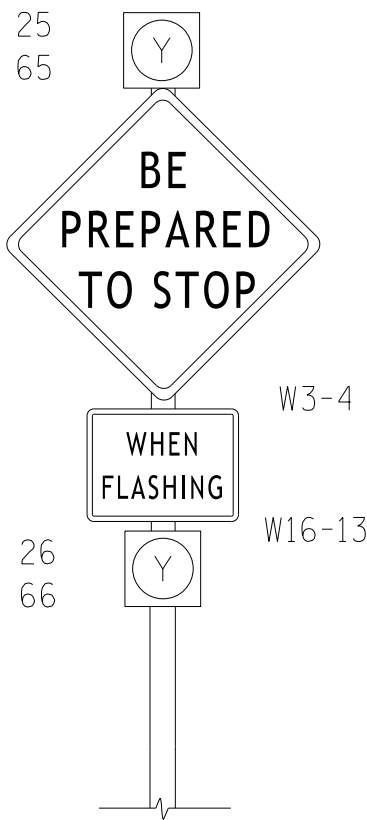
SIGNAL FACE I.D.

All Heads L.E.D.



See notes 7 and 8

Figure 1



SIGNAL FACE	INTERVAL	
	1	2
25	ON	OFF
26	OFF	ON
65	ON	OFF
66	OFF	ON

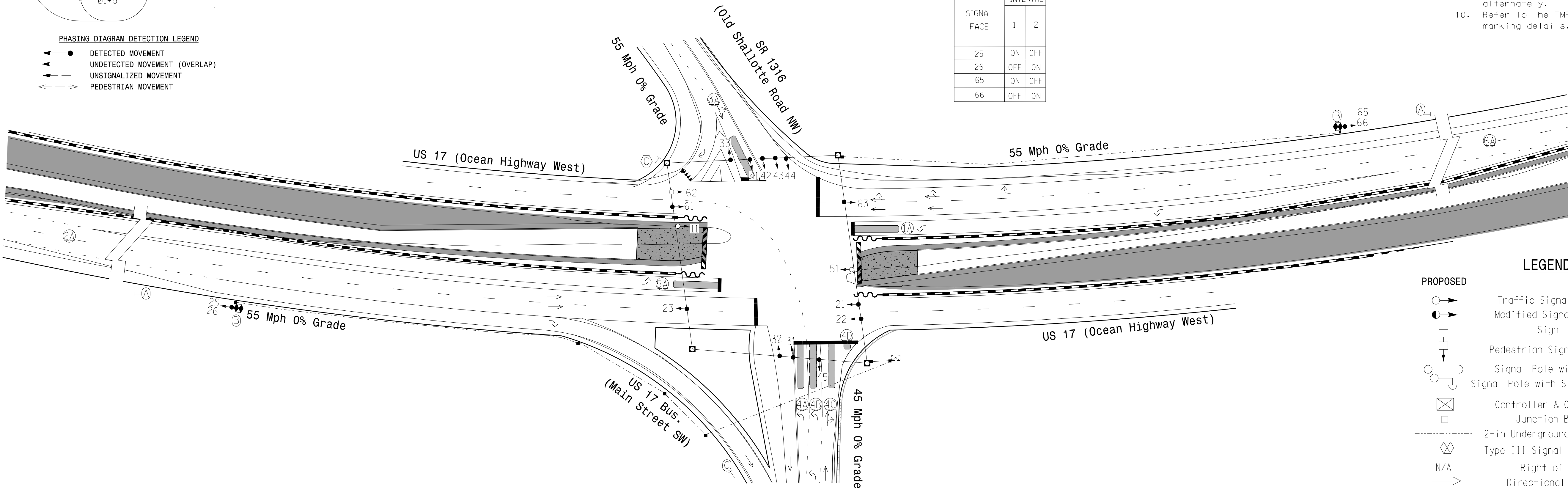
MAXTIME DETECTOR INSTALLATION CHART											
DETECTOR						PROGRAMMING					
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	URNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND INITIAL	CALL	DELAY DURING GREEN	NEW CARD
1A	*	0	*	X	1	-	-	X	-	X	-
3A	*	0	*	X	3	3	-	X	-	X	-
4A	*	0	*	-	4	3	-	X	-	X	-
4B	*	0	*	-	4	-	-	X	-	X	-
4C	*	0	*	-	4	10	-	X	-	X	-
4D	*	0	*	-	4	15	-	X	-	X	-
5A	*	0	*	X	5	-	-	X	-	X	-

* Multizone microwave detection zone

6 Phase
Fully Actuated
Isolated

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024, "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 phase 5 may be lagged.
- The order of phase 3 and phase 4 may be reversed.
- Reposition existing signal head 23, 61 and 63.
- 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.
- Activate flashers 3 seconds prior to end of phase 2 and/or phase 6 green.
- Flash vertically-mounted beacons alternately.
- Refer to the TMP for temporary pavement marking details.



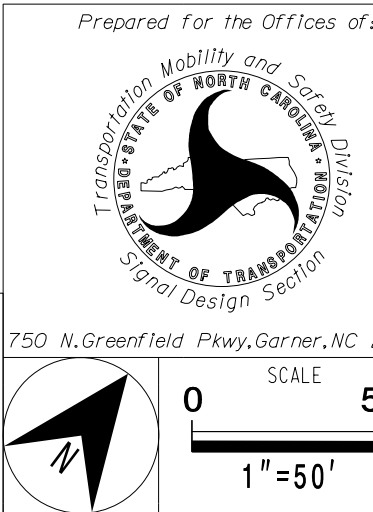
MAXTIME TIMING CHART						
FEATURE	PHASE					
	1	2	3	4	5	6
Walk *	-	-	-	-	-	-
Ped Clear	-	-	-	-	-	-
Min Green *	7	14	7	7	7	14
Passage *	3.0	2.0	2.0	2.0	2.0	2.0
Max I *	45	90	25	25	15	90
Yellow Change	3.0	5.2	5.2	4.5	3.0	5.2
Red Clear	3.4	1.0	1.7	2.4	3.3	1.0
Added Initial *	-	-	-	-	-	-
Maximum Initial *	-	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-	-
Time To Reduce *	-	-	-	-	-	-
Minimum Gap	-	-	-	-	-	-
Advance Walk	-	-	-	-	-	-
Pre Clearance	-	3.0	-	-	-	3.0
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 Passage times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

ADVANCED MICROWAVE EXTEND RANGE DETECTION			
FUNCTION	Sensor 1 (2A)	Sensor 2 (6A)	
Channel	1	1	
Phase	2	6	
Direction of Travel	NB	SB	
Type	PRIORITY		
Level	1	2	QUEUE
Discovery Zone (ft)	>=750	<750	N/A
Range (ft)	100-900	100-600	100-150
Enable Speed	Y	Y	Y
Speed Range (mph)	35-100	35-100	1-35
Enable Estimated Time of Arrival	Y	Y	N
Estimated Time of Arrival (sec)	2.5-10.0	2.5-6.5	-

Signal Upgrade- Temporary Design 2 (TMP Phase 3)

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



US 17 (Ocean Highway West) at US 17 Bus (Main Street SW) / SR 1316 (Old Shallotte Rd NW)	
Division 3 Brunswick County	Shallotte
PLAN DATE: March 2025	REVIEWED BY: G. G. Murr, Jr.
PREPARED BY: Nadia Degbotse	REVIEWED BY:
REVISIONS	INIT. DATE

SEAL	SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER G. G. MURR, JR. 14543	NORTH CAROLINA PROFESSIONAL ENGINEER G. G. MURR, JR. 14543
Signed by: G. G. Murr, Jr.	Signed by: G. G. Murr, Jr.
3/31/2025	3/31/2025
SIG. INVENTORY NO.	03-124472

TRANSSYSTEMS

1 Glenwood Avenue
Raleigh, NC 27603
Tel: 919.789.9977
Fax: 919.789.9591
License: F-0453

