

TABLE OF OPERATION			
SIGNAL FACE	PHASE		
	Ø 6	Ø 8	FL ASH
81,82	R	→	R
61,62	G	R	R

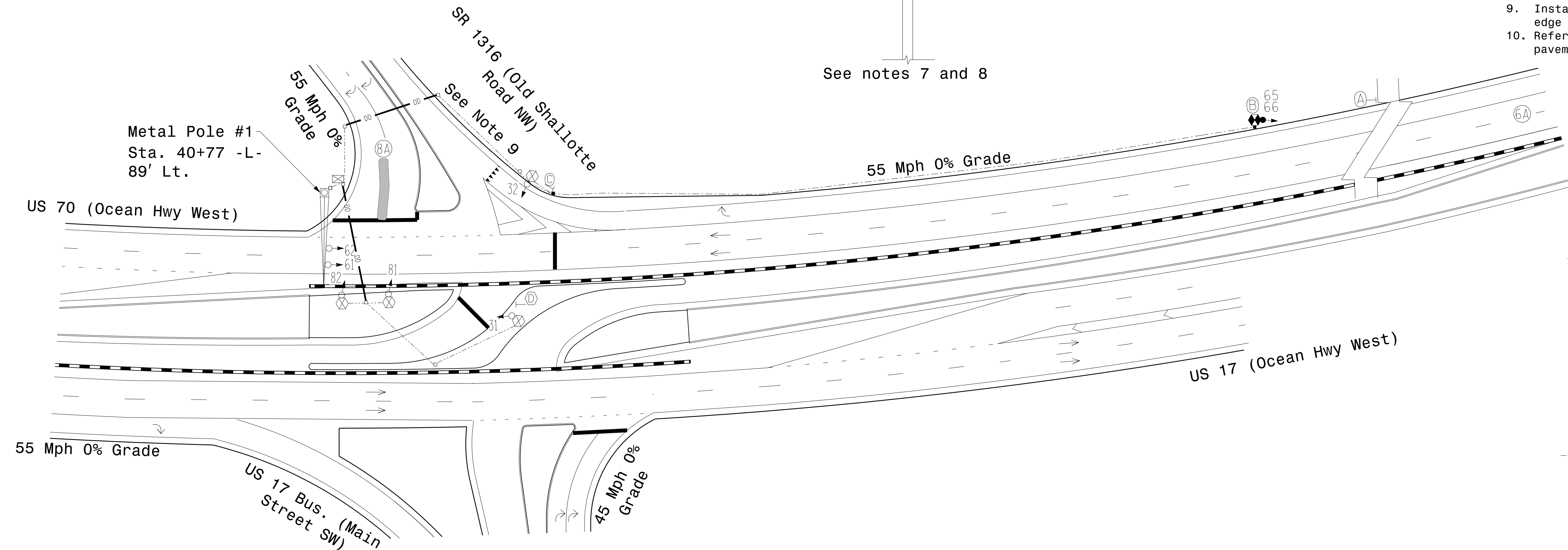
SIGNAL FACE	INTERVAL	
	1	2
65	ON	OFF
66	OFF	ON

MAXTIME DETECTOR INSTALLATION CHART											
DETECTOR					PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOP LINE (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN NEW CARD
8A	*	0	*	X	8	15	-	X	-	X	*

* Multizone microwave detection zone

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. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
5. Disconnect and bag signal heads 31 and 32 during this phase of construction.
6. This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
7. Activate flashers 3 seconds prior to end of phase 6 green.
8. Flash vertically-mounted beacons alternately.
9. Install new conduit as close as possible to edge of pavement.
10. Refer to the Pavement Marking Plans for pavement marking details.










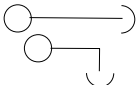
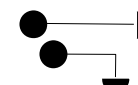










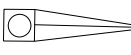





FEATURE	PHASE	
	6	8
Walk *	–	–
Ped Clear *	–	–
Min Green *	14	7
Passage *	2.0	2.0
Max 1 *	100	25
Yellow Change	5.2	3.0
Red Clear	1.8	1.9
Added Initial *	–	–
Maximum Initial *	–	–
Time Before Reduction *	–	–
Time To Reduce *	–	–
Minimum Gap	–	–
Advance Walk	–	–
Pre-Clearance	3.0	–
Non Lock Detector	–	X
Vehicle Recall	MIN RECALL	–
Dual Entry	–	–

ADVANCED MICROWAVE EXTENDED RANGE DETECTION			
FUNCTION	Sensor 1 6A		
Channel	1		
Phase	6		
Direction of Travel	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	-

ADVANCED MICROWAVE EXTENDED RANGE DETECTION

FUNCTION	Sensor 1 (6A)		
Channel	1		
Phase	6		
Direction of Travel	SB		
Type	PRIORITY		
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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	-

LEGEND

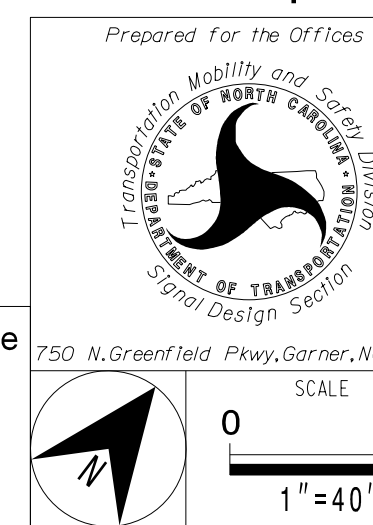
PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	N/A
	Sign	
	Pedestrian Signal Head With Push Button & Sign	
	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Type III Signal Pedestal	
	Controller & Cabinet	
	Junction Box	
N/A	Curb Ramp	
----	2-in Underground Conduit	----
	Directional Drill	N/A
N/A	Right of Way	----
	Right of Way	
	Metal Pole with Mastarm	
	Detection Zone	
	Temporary Barrier	
(A)	Signal Ahead Sign (W3-3)	(A)
(B)	"BE PREPARED TO STOP" Sign (W3-4) w/ "WHEN FLASHING" Plaque (W16-3) (See Figure 1)	(B)
(C)	"YIELD" Sign (R1-2)	(C)
(D)	No U-Turn Sign (R3-4)	(D)

New Installation-Temporary Design 1 (TMP Phase 4)

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

TRANSYSTEMS

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US 17 (Ocean Highway W)
at SR 1316
(Old Shallotte Rd NW)

Division 3	Brunswick County	Shallotte
PLAN DATE:	March 2025	REVIEWED BY: G. G. Murr, Jr.

DESCRIPTION	UNIT	DATE
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SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
14543
ENGINEER
GENE G. MURR, JR.

Signed by:
Gene G. Murr, Jr.

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SIG. INVENTORY NO. 03-1245T1

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SIG. INVENTORY NO.	03-1245T1