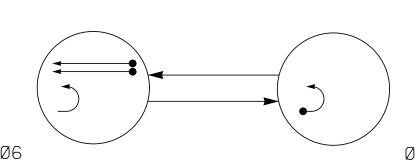
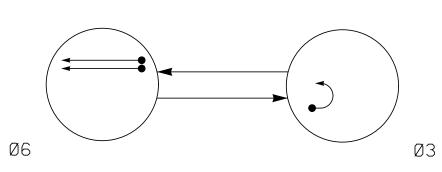
DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT ← − → PEDESTRIAN MOVEMENT

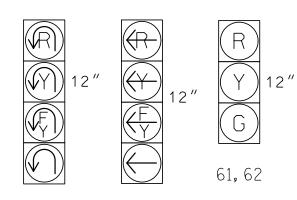
DEFAULT PHASING TABLE OF OPERATION PHASE SIGNAL FACE 31

61,62

ALTERNATE	Ph	HAS]	NG
TABLE OF ()PEF	RATI	ON
	F	'HAS	E
SIGNAL FACE	Ø 3	Ø 6	FLANT
31	√	√ R	√R
32	-		- R
61, 62	R	G	R

SIGNAL FACE I.D.

All Heads L.E.D.

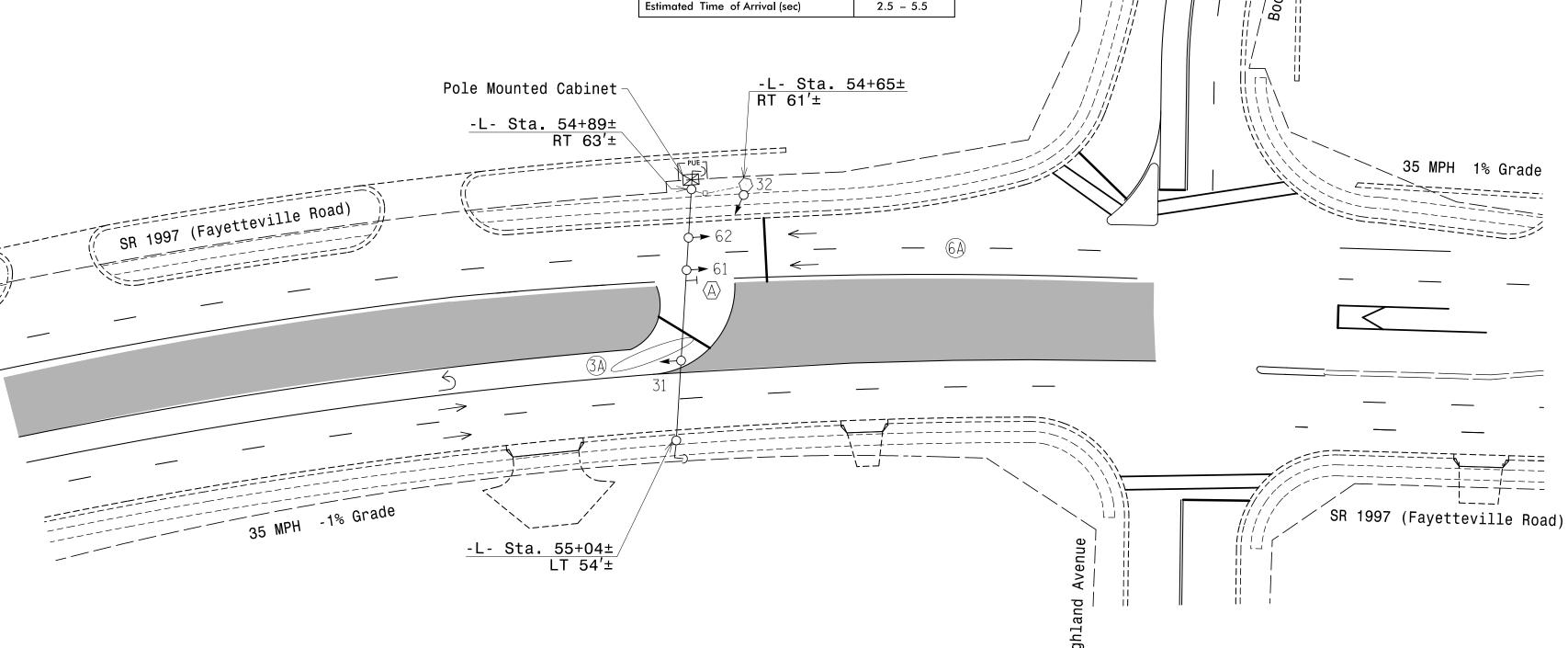


31 3	2
------	---

MAXTIME DETECTOR INSTALLATION CHART													
DETECTOR				PRO	GRAMM	IN	3						
L00P	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD	
3A	6X40	0	*	*	3	15**	-	Χ	1	Χ	-	*	

- * Multi-zone Microwave Detection Zone
- ** Disable Delay During Alternate Phasing

RADAR DETECTION SYSTEM				
FUNCTION	SENSOR 1 – 6A			
Channel	1			
Phase	2			
Direction of Travel	EB			
Detection Zone (ft)	200 – 70			
Enable Speed	Y			
Speed Range (mph)	25 – 100			
Enable Estimated Time of Arrival	Y			
Estimated Time of Arrival (see)	25 55			

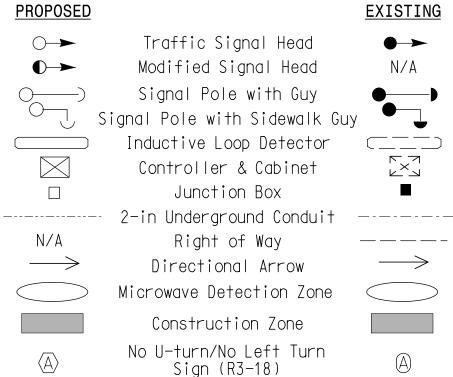


2 Phase Fully Actuated #D06-17 Lumberton US 301 and SR 1997 (Fayetteville Road)

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. This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- 6. The Division Traffic Engineer will determine the hours of use for each phasing plan.
- 7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

LEGEND



New Installation

1"=40'

Temporary Design - TMP Phase III, Step 1

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SR 1997 (Fayetteville Road) SEAL CAROL



Charlotte, NC 28202

(704) 372-1885

NC License Number F-0991

Boomerang Drive Temporary U-Turn South Division 6 Robeson County

Lumberton Feb 2025 REVIEWED BY: H.M. Surti 750 N.Greenfield Pkwy.Garner.NC 27529 PREPARED BY: R.L. Aristondo REVIEWED BY: T.M. Moody INIT. DATE

Trent Moody 2/10/202 DATE SIG. INVENTORY NO.

than what is shown. Min Green for all other phases should not be lower than 4 seconds.

MAXTIME TIMING CHART

FEATURE

Ped Clear *

Min Green

Passage *

Max 1 *

Red Clear

Yellow Change

Added Initial *

Maximum Initial *

Time To Reduce *

Minimum Gap

Advance Walk

Vehicle Recall

Dual Entry

Non Lock Detector

Time Before Reduction

PHASE

2.0

20

3.0

3.0

10

2.0

90

3.8

1.0

MIN RECALL