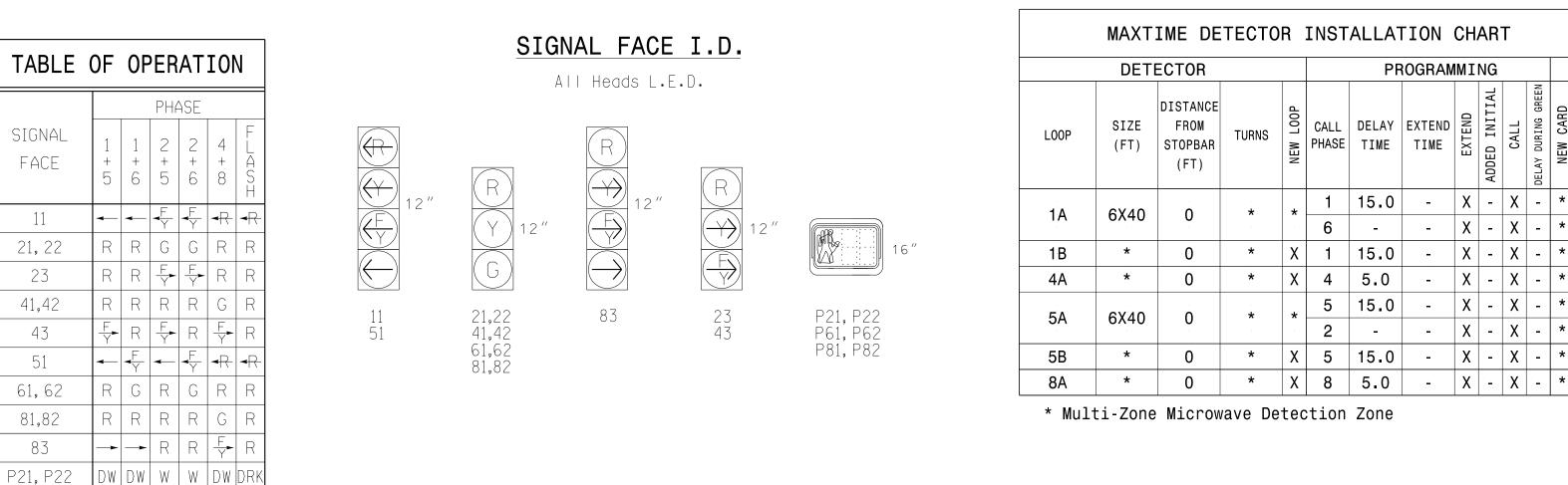
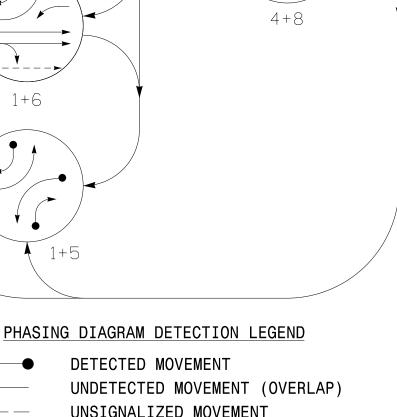
R-5600 Sig-41.0

5 Phase Fully Actuated (Time Based Coordination)

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. Phase 1 and/or phase 5 may be lagged.
- 4. Reposition existing signal heads numbered 11, 21, 22, 23, 41, 42, 43, 51, 61 and 62.
- 5. Set all detectors to presence mode.
- 6. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- 7. Program pedestrian heads to countdown the flashing "Don't Walk" time only
- 8. To provide a leading pedestrian interval on Phase 2, program FYA heads numbered 11 and 23 to delay for 7 seconds after the start of the phase 2 walk interval. See Electrical Details for programming.
- 9. This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- 10. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.





PHASING DIAGRAM

UNSIGNALIZED MOVEMENT PEDESTRIAN MOVEMENT

/			Metal Pole #2 -L- Sta. 137+07 LT 61' +/-	+\-
	PUE PUE	DUE——	DUE-	4-2" OLK
		□ NC 107		
-	- GA			<u> </u>
-				======================================
		35 MPH +1% Grade	Metal Pole #	1

(Design Speed 45 MPH)

FUNCTION

Direction of Travel

Detection Zone (ft)

Speed Range (mph)

Enable Estimated Time of Arrival

Estimated Time of Arrival (sec)

Range (ft)

Enable Speed

Channel

Install Push

Button Extender —

Microwave Detection

Sensor 1

Priority

< 750

600–100

35-100

2.5-6.5

QUEUE

150-100

1–35

Ν

DW W DW W DW DR

DW DW DW DW W DRK

SIGNAL

FACE

21, 22

23

41,42

43

51

61,62

81,82

83

P21, P22

P61, P62

P81, P82

Metal Pole #1 -L- Sta. 137+11 +/-RT 51' +/-PUE -

(6 A)

Sensor 2

6

SB

Priority

< 750

600–100

35–100

2.5-6.5

QUEUE

150–100

1–35

Ν

41 42 43 (B)

/-L- \$	L Pole #3 Sta. 138+08 +/- D.5' +/-						
F=	45 MPH -5%	Grade 	E	E	E	_E	E·
		======	=====	====	=====	====	:====
=======	======					_	
— —							
5AV							
11 C							====
62 🕶		======	=====	=====	=====		
==	NC	107					PROPOSED
		Metal Pole #4					○→
		-L- Sta. 138+7 RT 58′+/-	1 +/-			_	<u> </u>
PUE ———	— PUE ———		_		_ — — — —	·	\
		PUE					

Plans Prepared By:

DRMP, INC. 8210 UNIVERSITY EXECUTIVE PARK DR. SUITE 220 CHARLOTTE, NC 28262 NC LICENSE NO. F-1524 (704) 549-4260

Traffic Signal Head N/A N/A

-Modified Signal Head Pedestrian Signal Head With Push Button & Sign Signal Pole with Guy Signal Pole with Sidewalk Guy Inductive Loop Detector Controller & Cabinet Junction Box Oversized Junction Box 2-in Underground Conduit Right of Way -----Directional Arrow Type II Signal Pedestal Non-Intrusive Detection Zone Construction Zone N/A Temporary Construction Easement -----E-----Permenant Utility Easement — PUE — Drainage Utility Easement — DUE—

"RIGHT TURN SIGNAL" Sign (R10-10R)

Right Turn Yield to U-Turn Sign

No U-Turn Sign (R3-4)

LEGEND

EXISTING

 \bigcirc

Signal Upgrade Temporary Design 4 - TMP Ph3, S1

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SEAL CARO 052936

SR 1724 (Fairview Road) CVS Driveway Division 14 Jackson County

N/A

g PREPARED BY: DS Griffith REVIEWED BY: BN Groome

NC 107

PLAN DATE: August 2025 REVIEWED BY: ZM Esposito REVISIONS INIT. DATE Brittany Groome 8/26/2025 1"=40' SIG. INVENTORY NO. 14-0790T

	MA	XTIME	TIMING	CHART		
EEATUBE	PHASE					
FEATURE	1	2	4	5	6	8
Walk *	_	14	_	_	12	14
Ped Clear *	_	15	_	_	8	23
Min Green	7	12	7	7	12	7
Passage *	2.0	2.0	2.0	2.0	2.0	2.0
Max 1 *	15	120	30	15	120	30
Yellow Change	3.0	5.0	3.5	3.1	5.0	3.5
Red Clear	2.9	2.1	4.7	3.3	2.1	4.7
Added Initial *	_	_	_	_	_	_
Maximum Initial *	_	_	_	_	_	_
Time Before Reduction *	_	_	_	_	_	_
Time To Reduce *	_	_	_	_	_	_
Minimum Gap	_	_	_	_	_	_
Advance Walk	_	**	_	_	5	7
Non Lock Detector	Х	_	Х	Х	_	Х
Vehicle Recall	_	MIN RECALL	_	_	MIN RECALL	_
Dual Entry	-	_	Х	_	_	Х

what is shown. Min Green for all other phases should not be lower than 4 seconds. ** See note #8

These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than