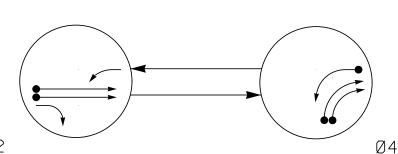
**DEFAULT** PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

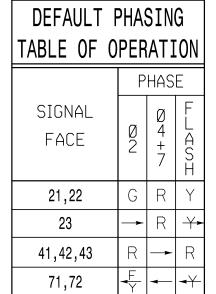
UNSIGNALIZED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

DETECTED MOVEMENT

← − → PEDESTRIAN MOVEMENT

	FACE	Ø 2	- -
	21,22	G	F
••	23		F
Ø4+7	41,42,43	R	_
	71,72	F	-



SIGNAL FACE I.D.

All Heads L.E.D.

21,22

41,42,43

71,72

ALTE	RNATE
<u>PHASING</u>	DIAGRAM
Ø2	Ø4+

NC 55 Bypass

55 MPH +2% Grade

ALTERNATE TABLE OF O						
	PHASE					
SIGNAL FACE	Ø 2	Ø 4 + 7	LUGOI			
21,22	G	R	Y			
23	-	R	<del>Y-</del>			
41,42,43	R	-	R			
71,72	<del>√</del> R	-	¥			

06–1403

210

	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
2A	6X6	420	6	Х	2	-	-	Χ	Χ	Χ	-	Х
2B	6X6	420	6	Χ	2	-	-	Χ	Χ	Χ	-	Х
4A	6X40	0	2-4-2	Х	4	15	-	Χ	_	Χ	_	Х
4B	6X40	0	2-4-2	Χ	4	15	<u>.</u>	Χ	-	Χ	-	Х
7A	6X40	0	2-4-2	Х	7	15 *	<u>-</u>	Χ	_	Х	_	Х

\* Disable delay during Alternate Phasing operation.

55 MPH -2% Grade

NC 55 Bypass

- METAL POLE 1

STA: 233+91 -L-OFF: 71' RT.

PLANS PREPARED IN THE OFFICE OF:

421 Fayetteville Street, Suite 600

NC License #F-0102

Raleigh, NC 27601

(919) 677-2000

- PEDESTAL SHARED WITH 06-1403

B 21 A

2 Phase Fully Actuated w/ Alternate Phasing NC 55 Byp. Closed Loop System

PROJECT REFERENCE NO.

R-5705A

Sig. 2.0

## **NOTES**

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- 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. See Pavement Marking plans for proposed stop bar and crosswalk
- 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.
- 8. Closed loop system data: Controller Asset #1402.

MAXTIME TIMING CHART PHASE FEATURE 2 Ped Clear \* 14 Min Green 2.0 6.0 2.0 Passage \* 30 Max 1 \* 90 30 3.0 Yellow Change 5.0 Red Clear 2.8 2.0 2.8 Added Initial \* 1.8 Maximum Initial \* Time Before Reduction Time To Reduce \* Minimum Gap 3.4 Advance Walk Non Lock Detector Χ

**LEGEND EXISTING** Traffic Signal Head Modified Signal Head Sign Pedestrian Signal Head With Push Button & Sign Metal Pole with Mastarm Type II Signal Pedestal Inductive Loop Detector Controller & Cabinet Junction Box Directional Drill N/A 2-in Underground Conduit N/A Right of Way Directional Arrow Street Name Sign (D3-1) No U-Turn/Left Turn Sign (R3-18)

New Installation NC 55 Bypass Northbound NC 210

Division 6 Harnett County PLAN DATE: August 2022 REVIEWED BY: KP Baumann CF Davis REVIEWED BY:

Kimley » Horn

750 N. Greenfield Pkwy, Garner, NC 27529

PLAN DATE:

PREPARED BY: REVISIONS 1"=40'

044434 Angier SIG. INVENTORY NO. 06-|402

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL

SIGNATURES COMPLETED

Vehicle Recall

Dual Entry

MIN RECALL

\* These values may be field adjusted. Do not adjust Min Green and

Extension times for phase 2 lower than what is shown. Min Green

for all other phases should not be lower than 4 seconds.

Χ