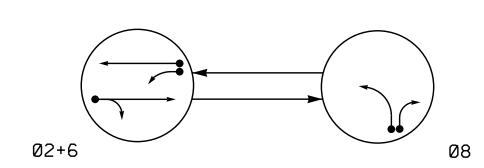
#### PHASING DIAGRAM



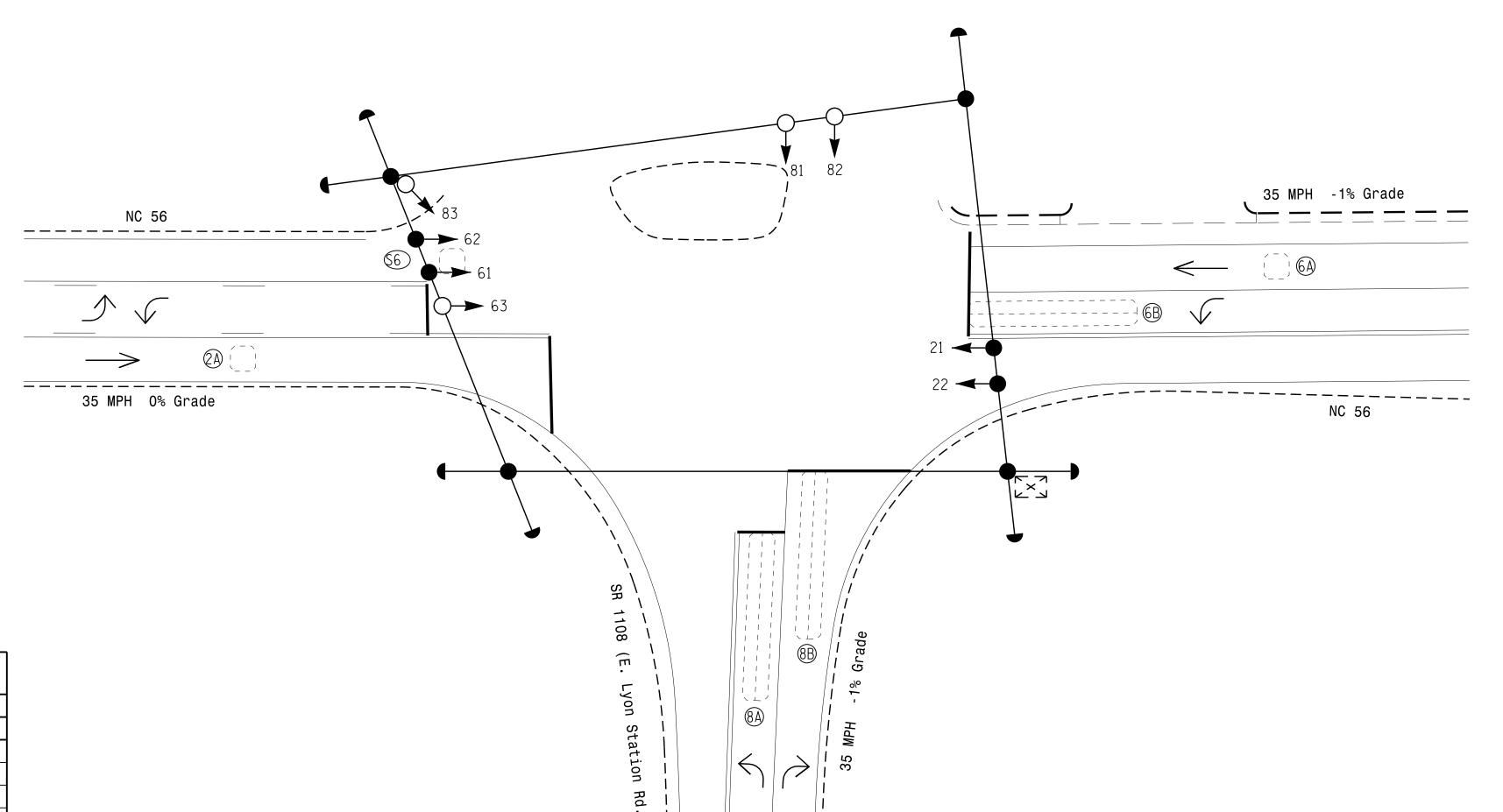
PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT UNDETECTED MOVEMENT (OVERLAP)

UNSIGNALIZED MOVEMENT ≪---> PEDESTRIAN MOVEMENT

TABLE OF 0	PER	ATI	ON	
	PHASE			
SIGNAL FACE	<b>©</b> N+6	<b>©</b> ∞	止しなのエ	
21, 22	G	R	Υ	
61, 62	G	R	Y	
63	╙╠╾	#	*	
81, 83	R	ļ	R	
82	R		R	

MAXTIME DETECTOR INSTALLATION CHART												
DETECTOR				PROGRAMMING								
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
2A	6X6	70	EXIST	-	2	ı	-	Χ	-	Χ	-	_
6A	6X6	70	EXIST	-	6	ı	-	Χ	-	Χ	-	_
6B	6X40	0	2-4-2	-	6	1	_	Χ	-	Χ	-	_
8.8	6X40	0	2-4-2	_	8	3.0	-	Χ	-	Χ	_	_
8B	6X40	0	2-4-2	-	8	10.0	_	Χ	-	Χ	_	_
S6	6X6	+120	EXIST	_	_	_	_	_	_	_	-	_



### 2 Phase Fully Actuated (NC 56 (Butner) CLS) Signal System #: D05-56\_Butner

#### **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. Pavement markings are existing.
- 5. Reposition existing signal heads 61 and 62.
- 6. Install new controller in existing cabinet.

**LEGEND** 

Traffic Signal Head

Modified Signal Head

Sign

Pedestrian Signal Head With Push Button & Sign

Signal Pole with Guy Signal Pole with Sidewalk Guy Inductive Loop Detector Controller & Cabinet Junction Box 2-in Underground Conduit

> Right of Way Directional Arrow

<u>PROPOSED</u>

 $\bigcirc$ 

N/A

<u>EXISTING</u>

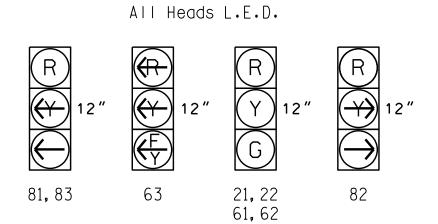
**●**→

7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

MAXTIME TIMING CHART								
FEATURE	PHASE							
FEATURE	2	6	8					
Walk *	-	-	-					
Ped Clear	-	-	-					
Min Green *	10	10	7					
Passage *	3.0	3.0	2.0					
Max 1 *	45	45	20					
Yellow Change	3.9	3.9	3.0					
Red Clear	1.8	1.8	2.6					
Added Initial *	_	-	-					
Maximum Initial *	-	-	-					
Time Before Reduction *	-	-	-					
Time To Reduce *	-	-	-					
Minimum Gap	-	-	-					
Advance Walk	-	-	-					
Non Lock Detector	_	-	Х					
Vehicle Recall	MIN RECALL	MIN RECALL	-					

\* 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.

## SIGNAL FACE I.D.





# NC 56 SR 1104 (E. Lyon Station Rd.) Division 5 Granville County

February 2024 REVIEWED BY: 750 N.Greenfield Pkwy.Garner.NC 27529 PREPARED BY: J.A. Lohr REVISIONS

SIGNATURES COMPLETED 026486 03/14/2024

SIG. INVENTORY NO. 05-0929

INIT. DATE

DOCUMENT NOT CONSIDERED

FINAL UNLESS ALL

Dual Entry