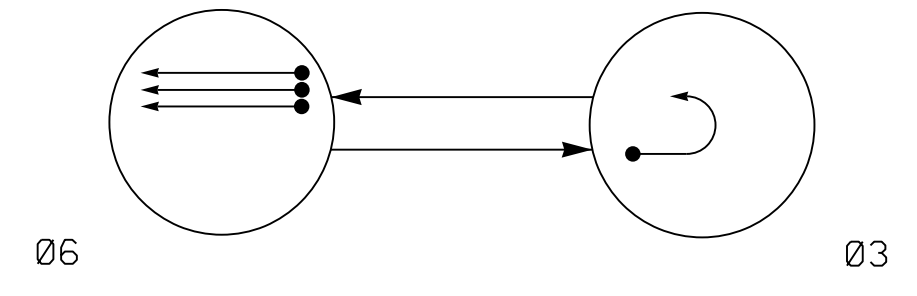


PHASING DIAGRAM



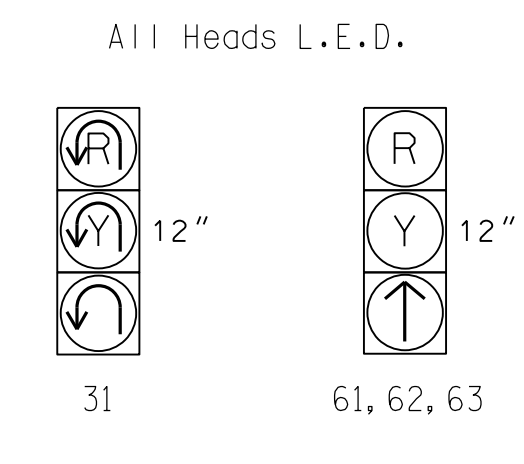
PHASING DIAGRAM DETECTION LEGEND

- ◄●◄ DETECTED MOVEMENT
- ◄◄◄ UNDETECTED MOVEMENT (OVERLAP)
- ◄◄◄ UNSIGNALIZED MOVEMENT
- ◄- - - PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	06	03	FLASH
31	R	R	R
61, 62, 63	↑	R	Y

SIGNAL FACE I.D.



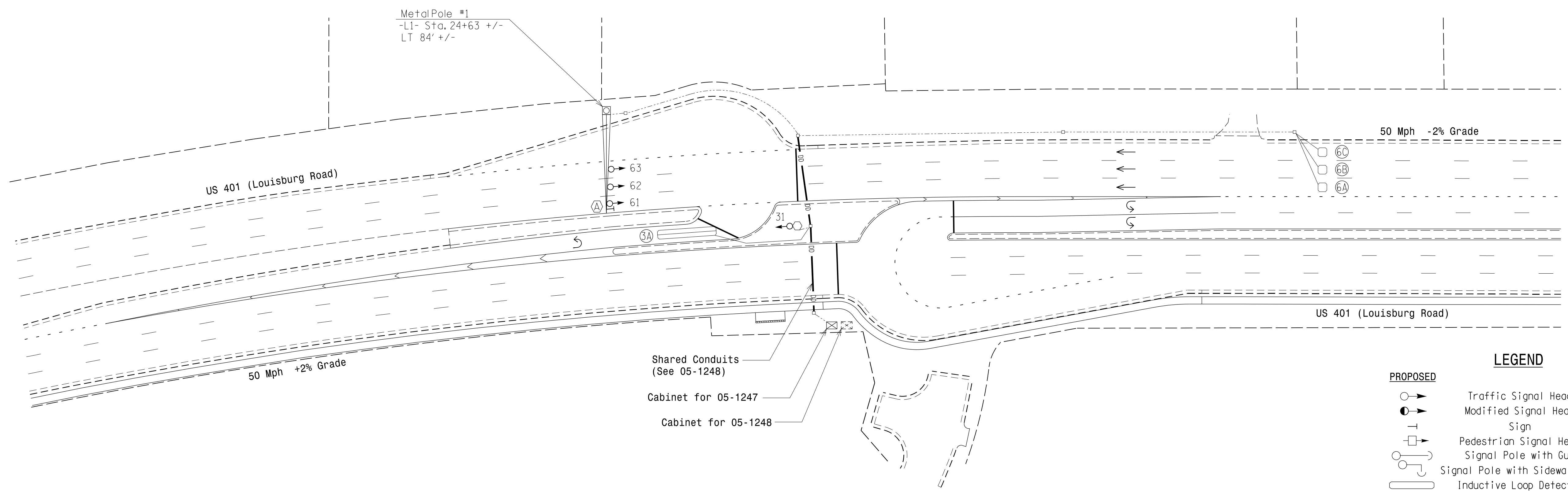
SE-PAC 2070 LOOP & DETECTOR UNIT INSTALLATION CHART

LOOP NO.	SIZE (ft)	TURNS	DIST. FROM STOPBAR (ft)	NEW	EXISTING	ASSIGNED PHASE	DETECTOR PROGRAMMING												STATUS	
							TIMING		OPERATION MODE							SWITCH	SYSTEM	NEW	EXISTING	
							DELAY	EXTEND (STRETCH)	VEHICLE	PEDESTRIAN	1 CALL	STOP A	STOP B	PROTFR LEFT	PROTFR THROUGH					AND
3A	6X40	2-4-2	0	X	-	3	- SEC.	- SEC.	X	-	-	-	-	-	-	-	-	X	-	
6A	6X6	5	355	X	-	6	- SEC.	- SEC.	X	-	-	-	-	-	-	-	-	X	-	
6B	6X6	5	355	X	-	6	- SEC.	- SEC.	X	-	-	-	-	-	-	-	-	X	-	
6C	6X6	5	355	X	-	6	- SEC.	- SEC.	X	-	-	-	-	-	-	-	-	X	-	

2 Phase Fully Actuated (Raleigh Signal System)

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. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
6. Program Phase 2 as a dummy phase for Ring 1.

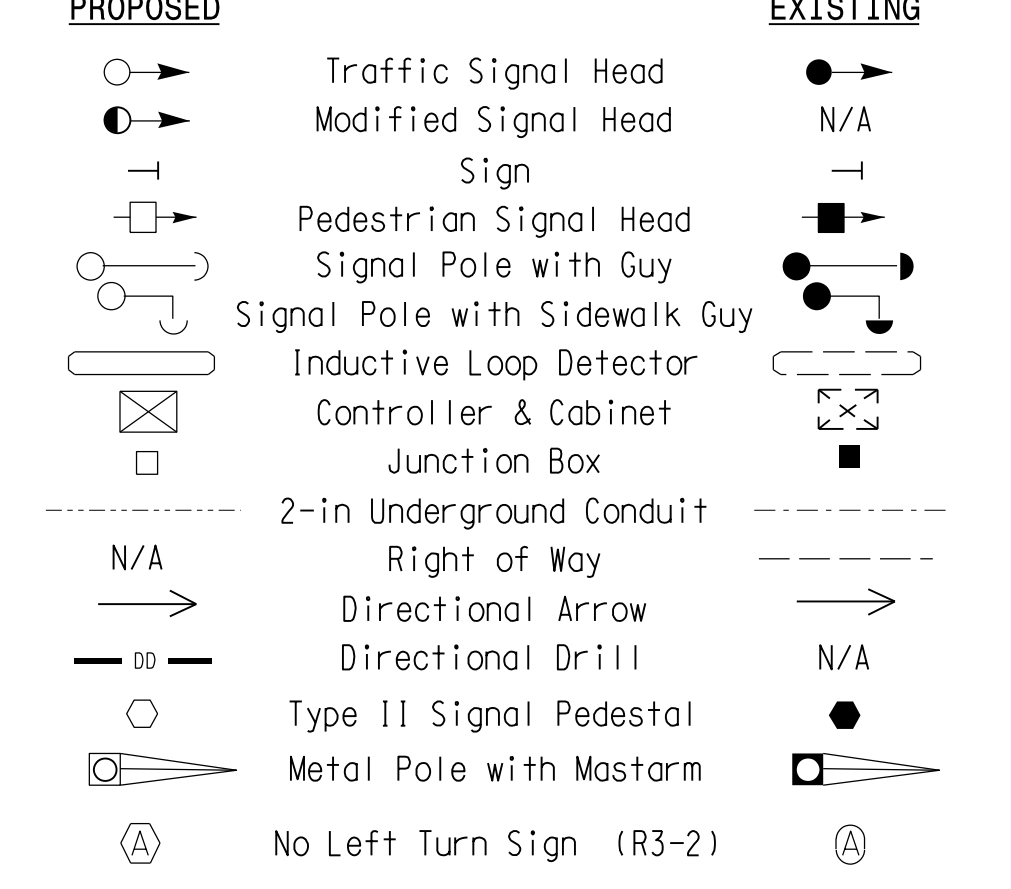


SE-PAC 2070 TIMING CHART

FEATURE	PHASE		
	2	3	6
Min Green *	14	7	14
Passage Gap *	-	2.0	6.0
Maximum Green *	120	30	120
Yellow Change	5.0	3.0	5.0
Red Clear	1.1	4.2	1.1
Walk *	-	-	-
Pedestrian Clear	-	-	-
Added Initial *	-	-	1.5
Maximum Initial *	-	-	40
Time Before Reduction *	-	-	20
Time To Reduce *	-	-	40
Minimum Gap	-	-	3.0
Recall Mode	-	-	MIN RECALL
Vehicle Call Memory	-	NON-LOCK	LOCK
Dual Entry	-	-	-
Simultaneous Gap	ON	ON	ON

* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND



New Installation

Prepared for the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27529

US 401 SB (Louisburg Road) at U-Turn North of SR 2042 (Fox Road)
 Division 5 Wake County Raleigh
 PLAN DATE: Jan 2023 REVIEWED BY: F.A. Campbell
 PREPARED BY: H.M. Surti REVIEWED BY:

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

 H.M. Surti
 1/24/2023
 SIG. INVENTORY NO. 05-1247

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