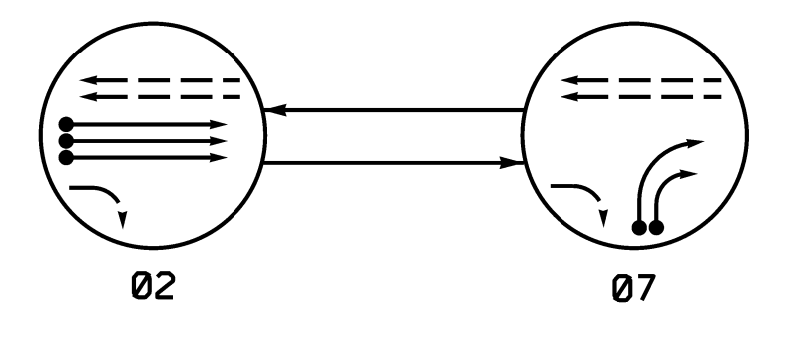


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

- ←● DETECTED MOVEMENT
- ← UNDETECTED MOVEMENT (OVERLAP)
- ←- UNSIGNALIZED MOVEMENT
- ←-→ PEDESTRIAN MOVEMENT

SIGNAL FACE I.D.

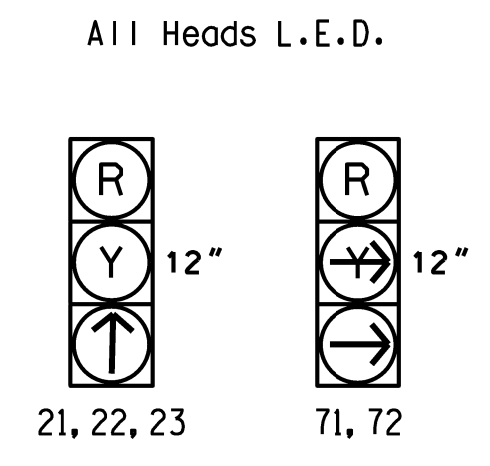


TABLE OF OPERATION

SIGNAL FACE	PHASE		
	02	07	FLASH
21, 22, 23	↑	R	Y
71, 72	R	←	R

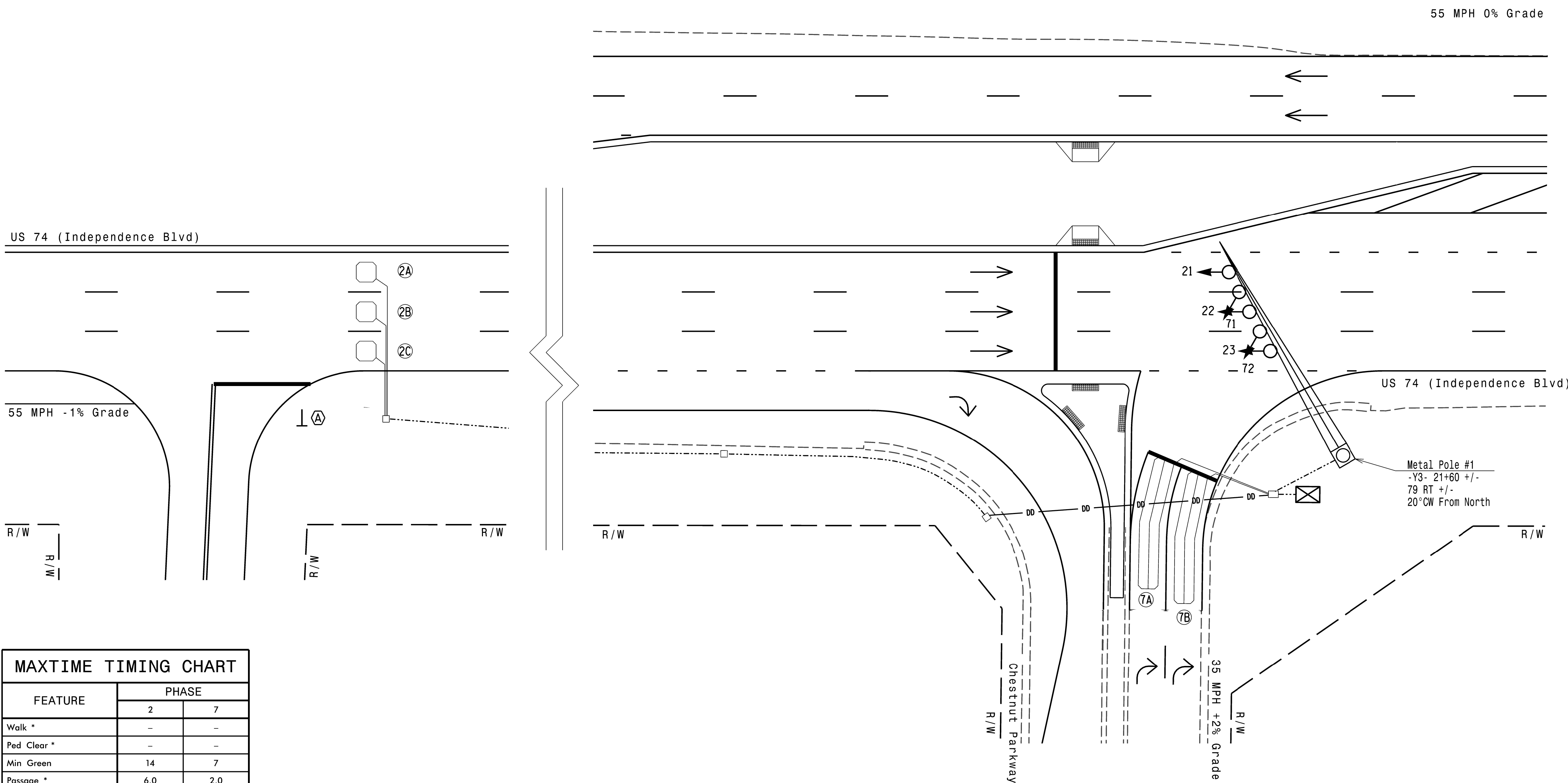
MAXTIME DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
2A	6X6	385	5	X	2	-	-	X	X	X	-	X
2B	6X6	385	5	X	2	-	-	X	X	X	-	X
2C	6X6	385	5	X	2	-	-	X	X	X	-	X
7A	6X40	0	2-4-2	X	7	15.0	-	X	-	X	-	X
7B	6X40	0	2-4-2	X	7	15.0	-	X	-	X	-	X

2 Phase Fully Actuated US 74 Indian Trail CLS Signal System #11033

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. The cabinet should be designed to include an Auxillary output file for future use.
6. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

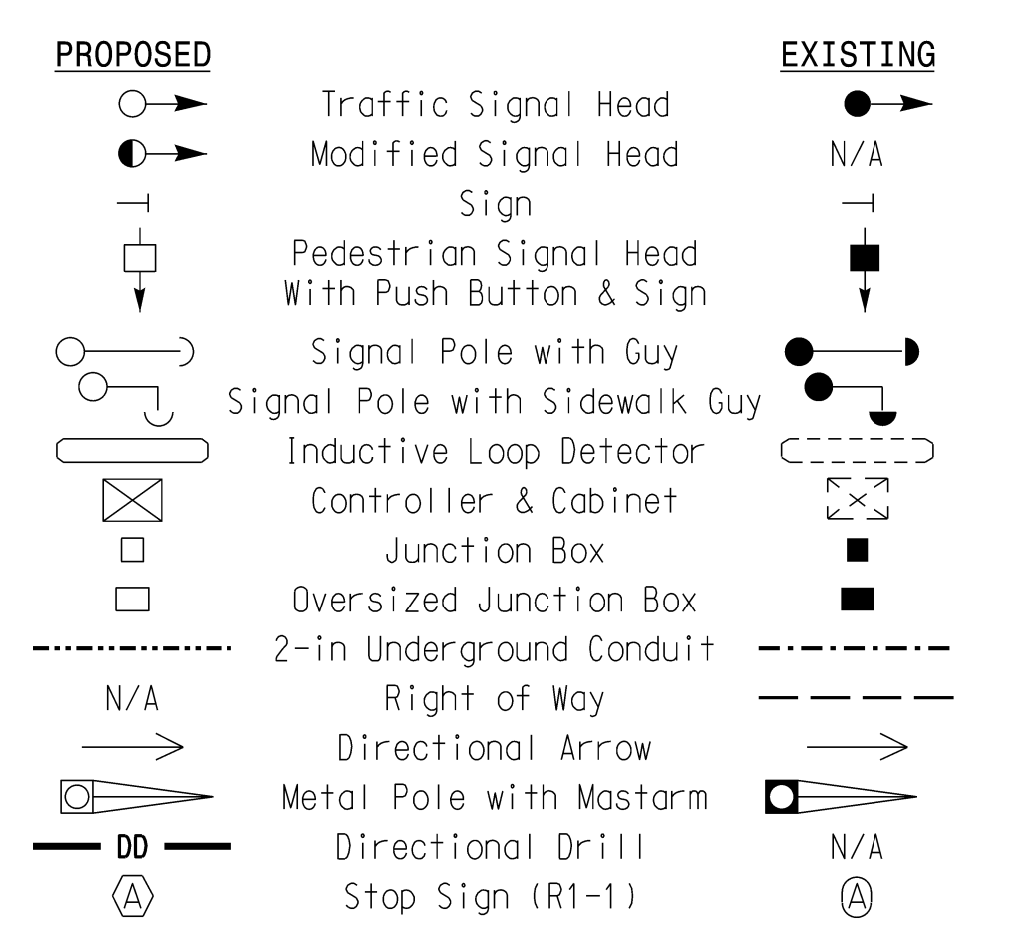


MAXTIME TIMING CHART

FEATURE	PHASE	
	2	7
Walk *	-	-
Ped Clear *	-	-
Min Green	14	7
Passage *	6.0	2.0
Max 1 *	90	30
Yellow Change	5.3	3.0
Red Clear	1.0	2.8
Added Initial *	1.5	-
Maximum Initial *	43	-
Time Before Reduction *	15	-
Time To Reduce *	40	-
Minimum Gap	3.4	-
Advance Walk	-	-
Non Lock Detector	-	X
Vehicle Recall	MIN. RECALL	-
Dual Entry	-	-

* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 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 27524

RS&H
NC FIRM LICENSE No: F-0493
8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
(919) 926-4100

US 74 (Independence Boulevard) at SR 1362 (Chestnut Parkway)

Division 10 Union County Indian Trail

PLAN DATE: June 2023 REVIEWED BY: S.G. Haynie

PREPARED BY: P. Koloski REVIEWED BY:

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

Steven G. Haynie 2/21/2023

SIGNATURE DATE

SIG. INVENTORY NO. 10-2425

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