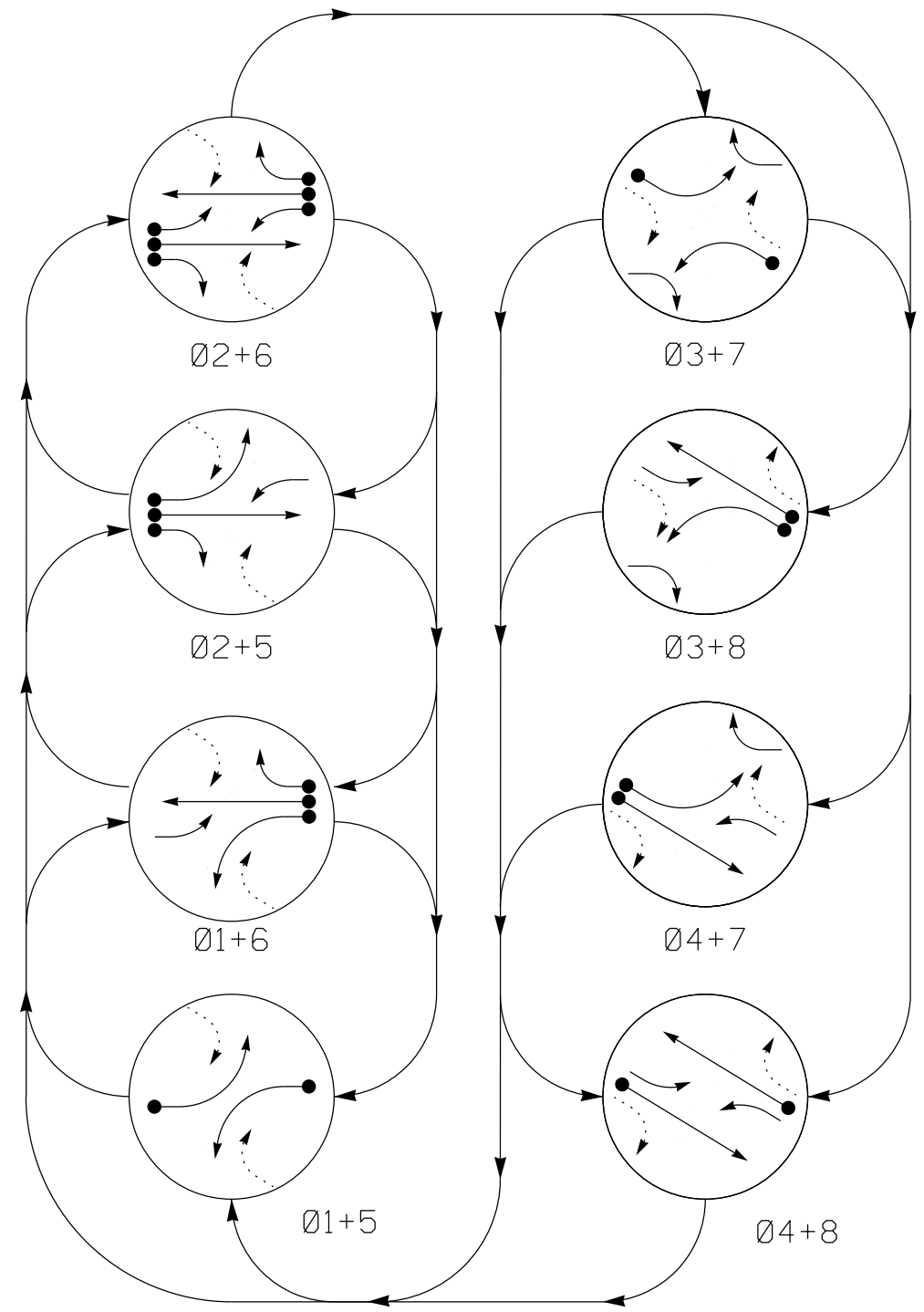


**PHASING DIAGRAM**



**PHASING DIAGRAM DETECTION LEGEND**

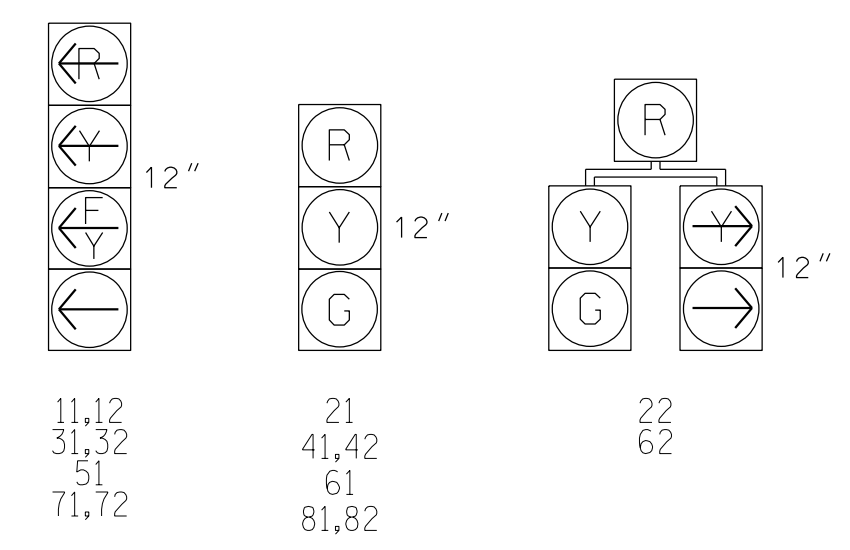
- ◄● DETECTED MOVEMENT
- ◄◄ UNDETECTED MOVEMENT (OVERLAP)
- ◄--- UNSIGNALIZED MOVEMENT
- ◄--- PEDESTRIAN MOVEMENT

**TABLE OF OPERATION**

SIGNAL FACE	PHASE								
	Ø 1 + 5	Ø 1 + 6	Ø 2 + 5	Ø 2 + 6	Ø 3 + 7	Ø 3 + 8	Ø 4 + 7	Ø 4 + 8	FLASH
11,12	←	←	←	←	←	←	←	←	←
21	R	R	G	G	R	R	R	R	R
22	R	R	G	G	R	R	R	R	R
31,32	←	←	←	←	←	←	←	←	←
41,42	R	R	R	R	R	R	G	G	R
51	←	←	←	←	←	←	←	←	←
61	R	G	R	G	R	R	R	R	R
62	R	G	R	G	R	R	R	R	R
71,72	←	←	←	←	←	←	←	←	←
81,82	R	R	R	R	R	G	R	G	R

**SIGNAL FACE I.D.**

All Heads L.E.D.



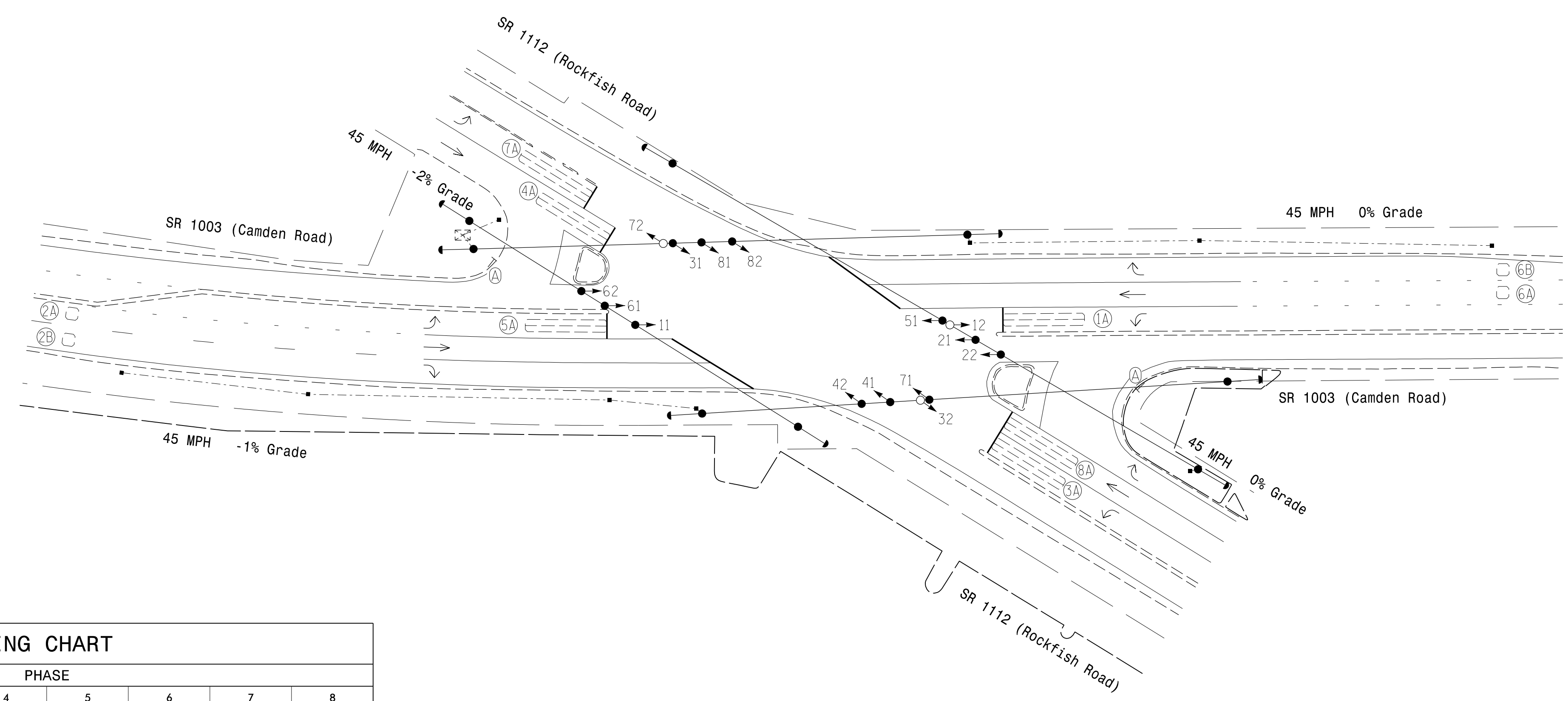
**MAXTIME DETECTOR INSTALLATION CHART**

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
1A	6X40	0	2-4-2	-	1	15.0	-	X	-	X	-	-
2A	6X6	300	EXIST	-	6	3.0	-	X	-	X	X	-
2B	6X6	300	EXIST	-	2	-	-	X	X	X	-	-
3A	6X40	0	2-4-2	-	3	15.0	-	X	-	X	-	-
4A	6X40	0	2-4-2	-	4	-	-	X	-	X	-	-
5A	6X40	0	2-4-2	-	5	15.0	-	X	-	X	-	-
6A	6X6	300	EXIST	-	6	-	-	X	X	X	-	-
6B	6X6	300	EXIST	-	6	-	-	X	X	X	-	-
7A	6X40	0	2-4-2	-	7	15.0	-	X	-	X	-	-
8A	6X40	0	2-4-2	-	8	3.0	-	X	-	X	-	-

**8 Phase Fully Actuated (D06-28\_Hope Mills)**

**NOTES**

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or phase 5 may be lagged.
- Phase 3 and/or phase 7 may be lagged.
- Set all detector units to presence mode.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Install 2070LX controller with MAXTIME software in existing signal cabinet.



**MAXTIME TIMING CHART**

FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Walk *	-	-	-	-	-	-	-	-
Ped Clear	-	-	-	-	-	-	-	-
Min Green *	7	12	7	7	7	12	7	7
Passage *	2.0	6.0	2.0	2.0	2.0	6.0	2.0	2.0
Max 1 *	15	90	15	35	15	90	15	35
Yellow Change	3.0	4.6	3.2	4.7	3.0	4.6	3.3	4.7
Red Clear	3.3	1.9	3.8	2.5	3.1	1.9	3.9	2.5
Added Initial *	-	2.5	-	-	-	2.5	-	-
Maximum Initial *	-	34	-	-	-	34	-	-
Time Before Reduction *	-	15	-	-	-	15	-	-
Time To Reduce *	-	30	-	-	-	30	-	-
Minimum Gap	-	3.0	-	-	-	3.0	-	-
Advance Walk	-	-	-	-	-	-	-	-
Non Lock Detector	X	-	X	X	X	-	X	X
Vehicle Recall	-	MIN RECALL	-	-	-	MIN RECALL	-	-
Dual Entry	-	-	-	X	-	-	-	X

\* 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.

**LEGEND**

- |  |  |  |  |
|--|--|--|--|
|  | PROPOSED Traffic Signal Head           |  | EXISTING Traffic Signal Head           |
|  | PROPOSED Modified Signal Head          |  | EXISTING Modified Signal Head          |
|  | PROPOSED Pedestrian Signal Head        |  | EXISTING Pedestrian Signal Head        |
|  | PROPOSED Signal Pole with Guy          |  | EXISTING Signal Pole with Guy          |
|  | PROPOSED Signal Pole with Sidewalk Guy |  | EXISTING Signal Pole with Sidewalk Guy |
|  | PROPOSED Inductive Loop Detector       |  | EXISTING Inductive Loop Detector       |
|  | PROPOSED Controller & Cabinet          |  | EXISTING Controller & Cabinet          |
|  | PROPOSED Junction Box                  |  | EXISTING Junction Box                  |
|  | PROPOSED 2-in Underground Conduit      |  | EXISTING 2-in Underground Conduit      |
|  | PROPOSED Right of Way                  |  | EXISTING Right of Way                  |
|  | PROPOSED Directional Arrow             |  | EXISTING Directional Arrow             |
|  | PROPOSED "YIELD" Sign (R1-2)           |  | EXISTING "YIELD" Sign (R1-2)           |

**Signal Upgrade**

Plans Prepared By:  
  
 DRMP, Inc.  
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Prepared for:  
  
 Department of Transportation  
 Signal Design Section  
 750 N. Greenfield Pkwy, Garner, NC 27529

**SR 1003 (Camden Road) at SR 1112 (Rockfish Road)**  
 Division 6 Cumberland County Hope Mills  
 PLAN DATE: August 2024 REVIEWED BY: LM Moon  
 PREPARED BY: MR Stanley/DJW RKA PROJ. NO.: 2400555  
 REVISIONS: \_\_\_\_\_ INIT: \_\_\_\_\_ DATE: \_\_\_\_\_

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL  
  
 Lisa Moon 10/3/2024  
 DATE  
 SIG. INVENTORY NO. 06-0470