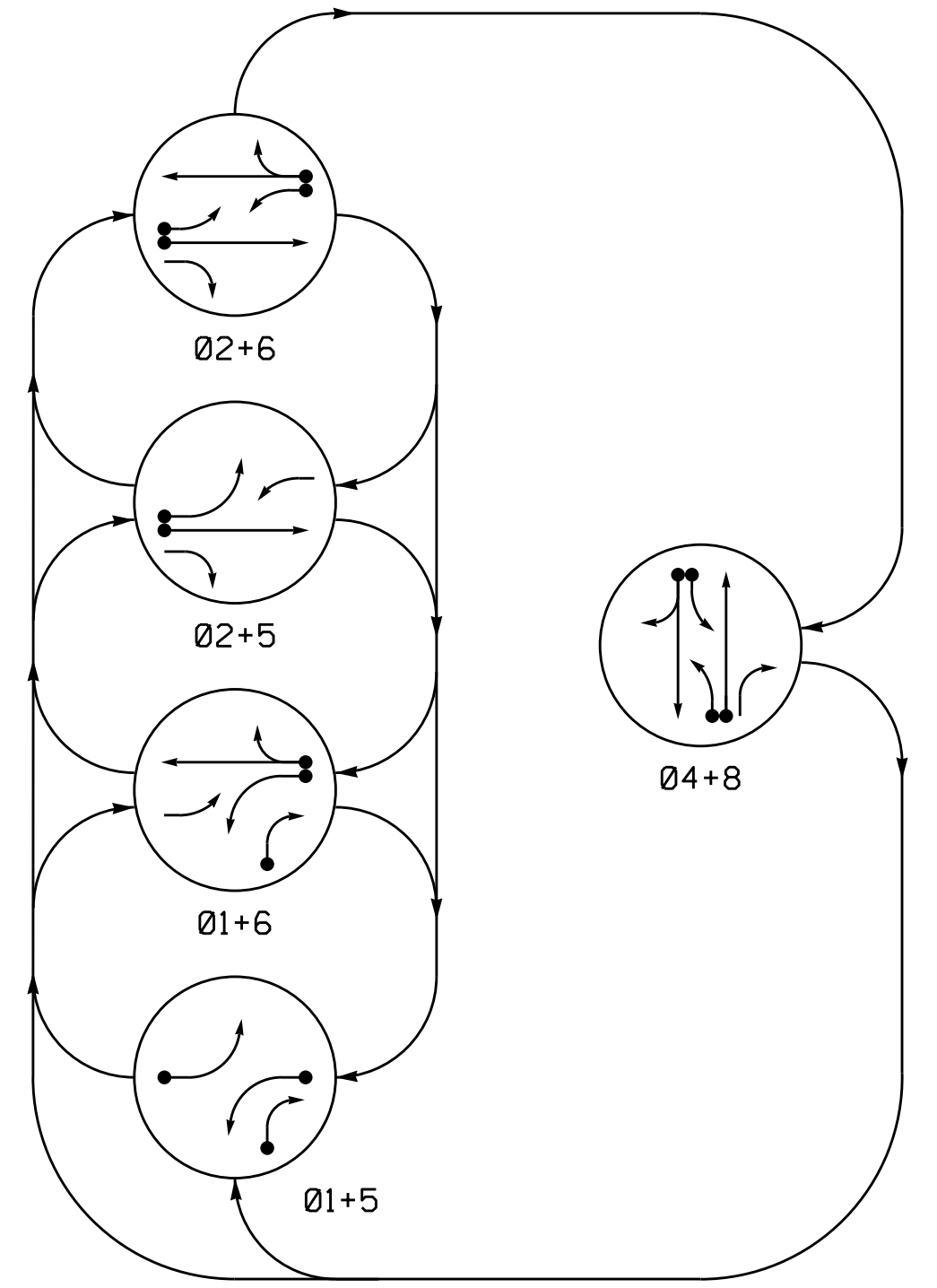


PHASING DIAGRAM



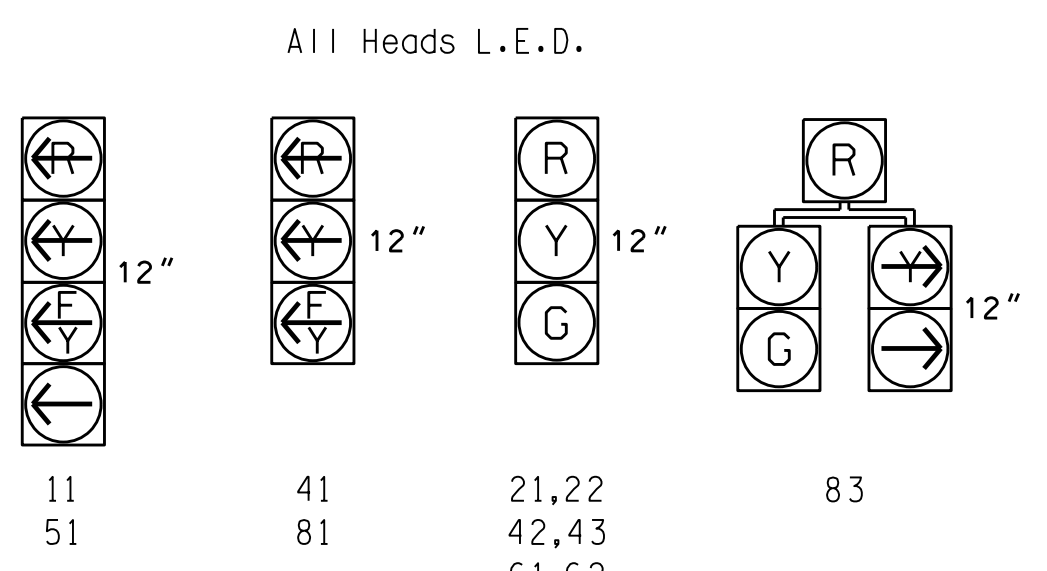
PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	PHASE					FLASH
	01+5	02+5	02+6	04+8	F	
11	—	—	F	F	—	—
21,22	R	R	G	G	R	Y
41	—	—	—	—	F	—
42,43	R	R	R	G	R	—
51	—	—	F	F	—	—
61,62	R	G	R	G	R	Y
81	—	—	—	—	F	—
82	R	R	R	G	R	—
83	R	R	R	G	R	—

SIGNAL FACE I.D.



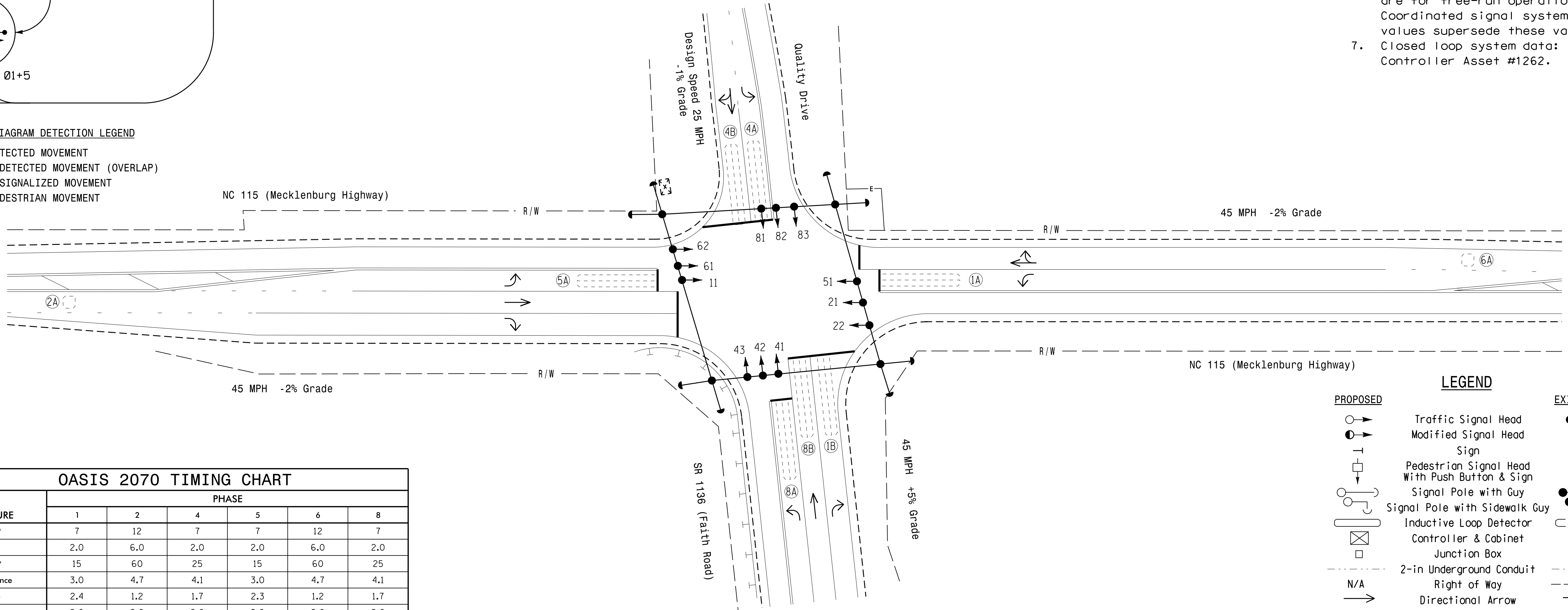
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD
					PHASE	CALLING	EXTENSION	FULL TIME DELAY		
1A	6X40	0	2-4-2	—	1	Y	Y	—	15	—
1B	6X40	0	2-4-2	—	6	Y	Y	—	3	—
2A	6X6	300	5	—	2	Y	Y	—	—	—
4A	6X40	0	2-4-2	—	4	Y	Y	—	3	—
4B	6X40	0	2-4-2	—	4	Y	Y	—	10	—
5A	6X40	0	2-4-2	—	5	Y	Y	—	15	—
6A	6X6	300	5	—	6	Y	Y	—	—	—
8A	6X40	0	2-4-2	—	8	Y	Y	—	3	—
8B	6X40	0	2-4-2	—	8	Y	Y	—	—	—

5 Phase Fully Actuated NC 115 (Mecklenburg Hwy.) CLS

NOTES

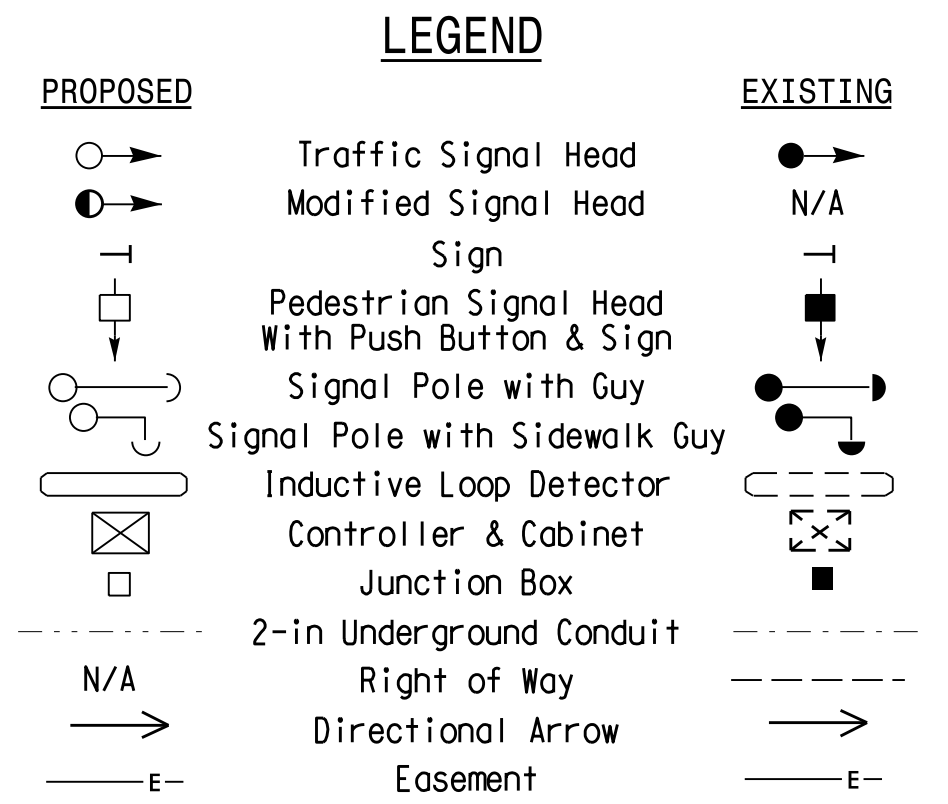
- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or phase 5 may be lagged.
- Set all detector units to presence mode.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Closed loop system data: Controller Asset #1262.



OASIS 2070 TIMING CHART

FEATURE	PHASE					
	1	2	4	5	6	8
Min Green 1 *	7	12	7	7	12	7
Extension 1 *	2.0	6.0	2.0	2.0	6.0	2.0
Max Green 1 *	15	60	25	15	60	25
Yellow Clearance	3.0	4.7	4.1	3.0	4.7	4.1
Red Clearance	2.4	1.2	1.7	2.3	1.2	1.7
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-
Seconds Per Actuation *	-	2.5	-	-	2.5	-
Max Variable Initial *	-	34	-	-	34	-
Time Before Reduction *	-	15	-	-	15	-
Time To Reduce *	-	30	-	-	30	-
Minimum Gap	-	3.0	-	-	3.0	-
Recall Mode	-	MIN RECALL	-	-	MIN RECALL	-
Vehicle Call Memory	-	YELLOW	-	-	YELLOW	-
Dual Entry	-	-	ON	-	-	ON
Simultaneous Gap	ON	ON	ON	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.



Signal Upgrade

750 N. Greenfield Pkwy, Garner, NC 27529

NC 115 (Mecklenburg Highway) at Quality Drive/ SR 1136 (Faith Road)

Division 12 Iredell County Mooresville

PLAN DATE: January 2018 REVIEWED BY: R.N. Zinser

PREPARED BY: J.A. Lohr REVIEWED BY:

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

2/27/2018