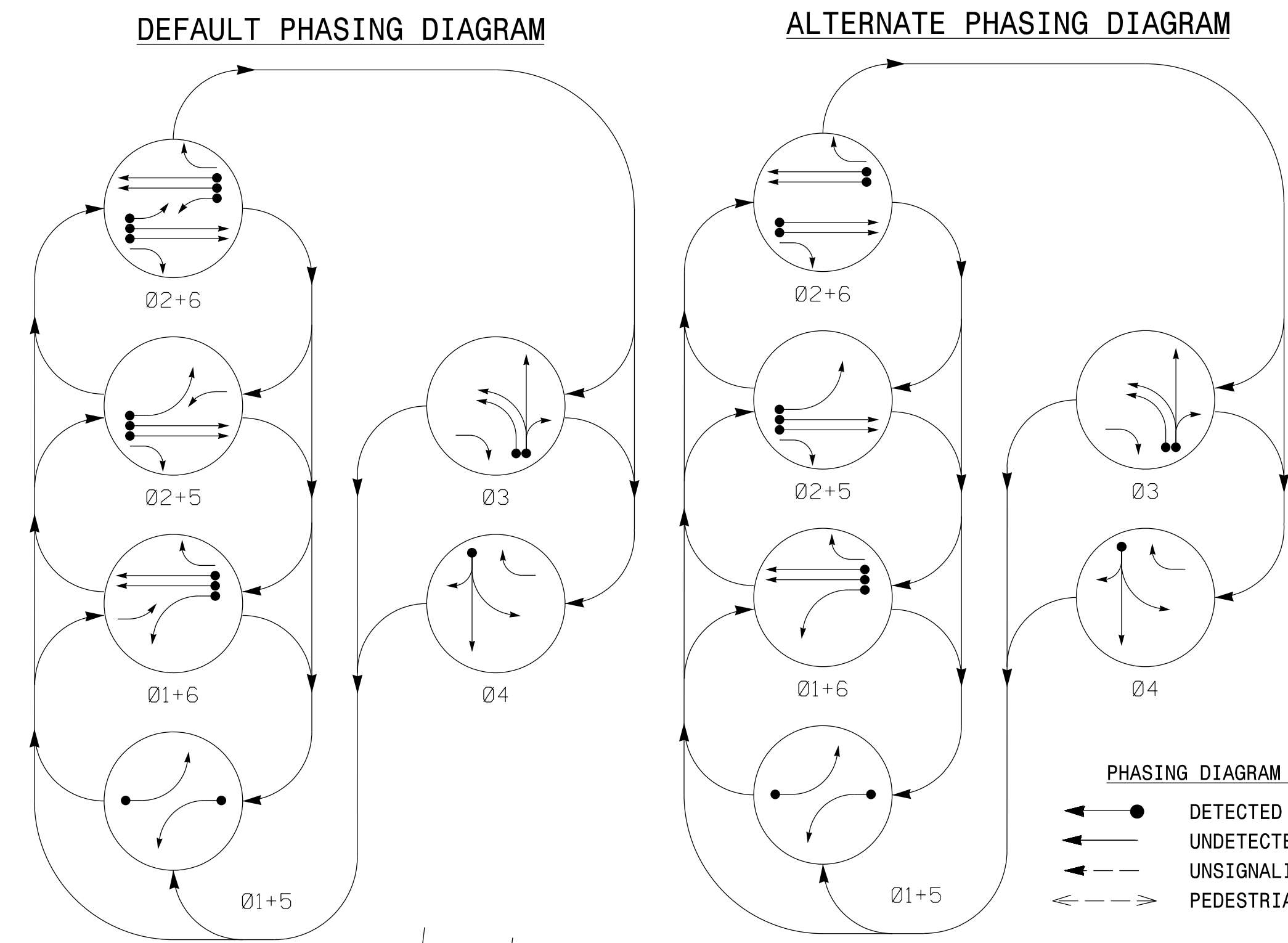


6 Phase Fully Actuated (US 70 (Burlington Rd.) Closed Loop System) Signal System #: 10712

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. Phase 1 and/or phase 5 may be lagged.
4. The order of phase 3 and 4 may be reversed.
5. Set all detector units to presence mode.
6. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
7. The Division Traffic Engineer will determine the hours of use for each phasing plan.
8. Maximum times show in timing chart are for free-run operation only. Coordinated signals system timing values supersede these values.
9. Closed loop system data: Master Asset #: 10712. Controller Asset #: 1859.

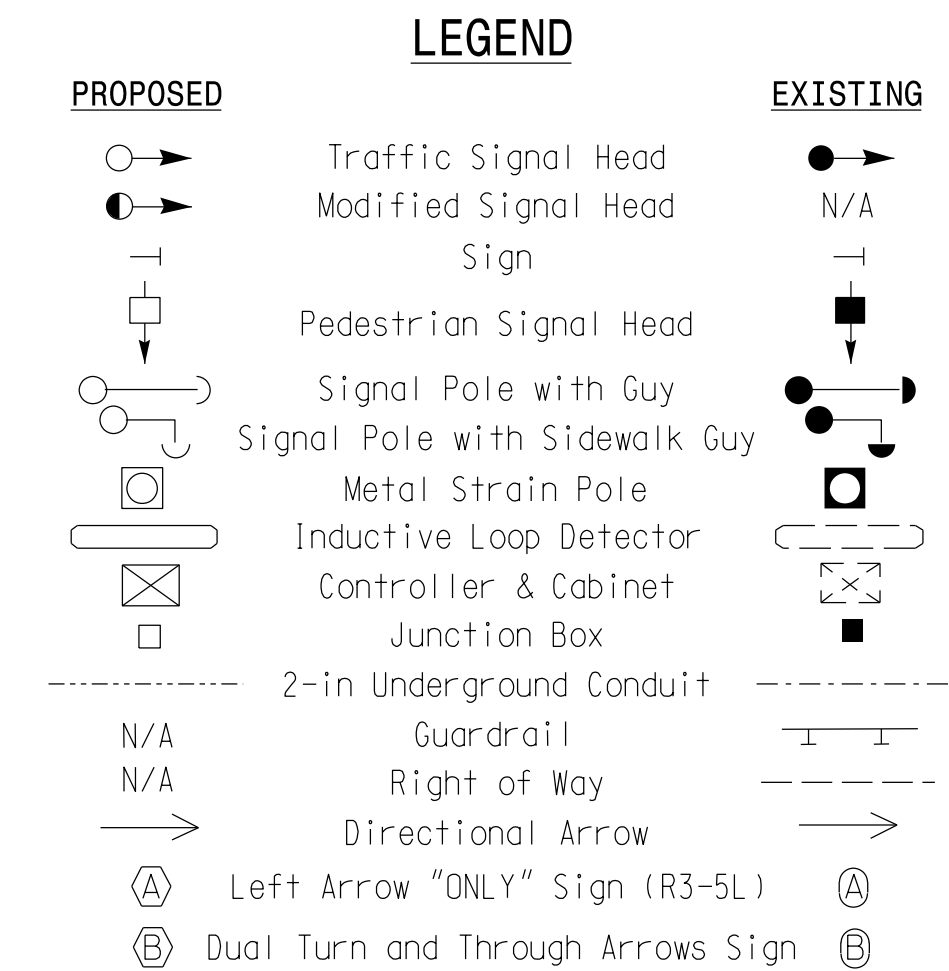
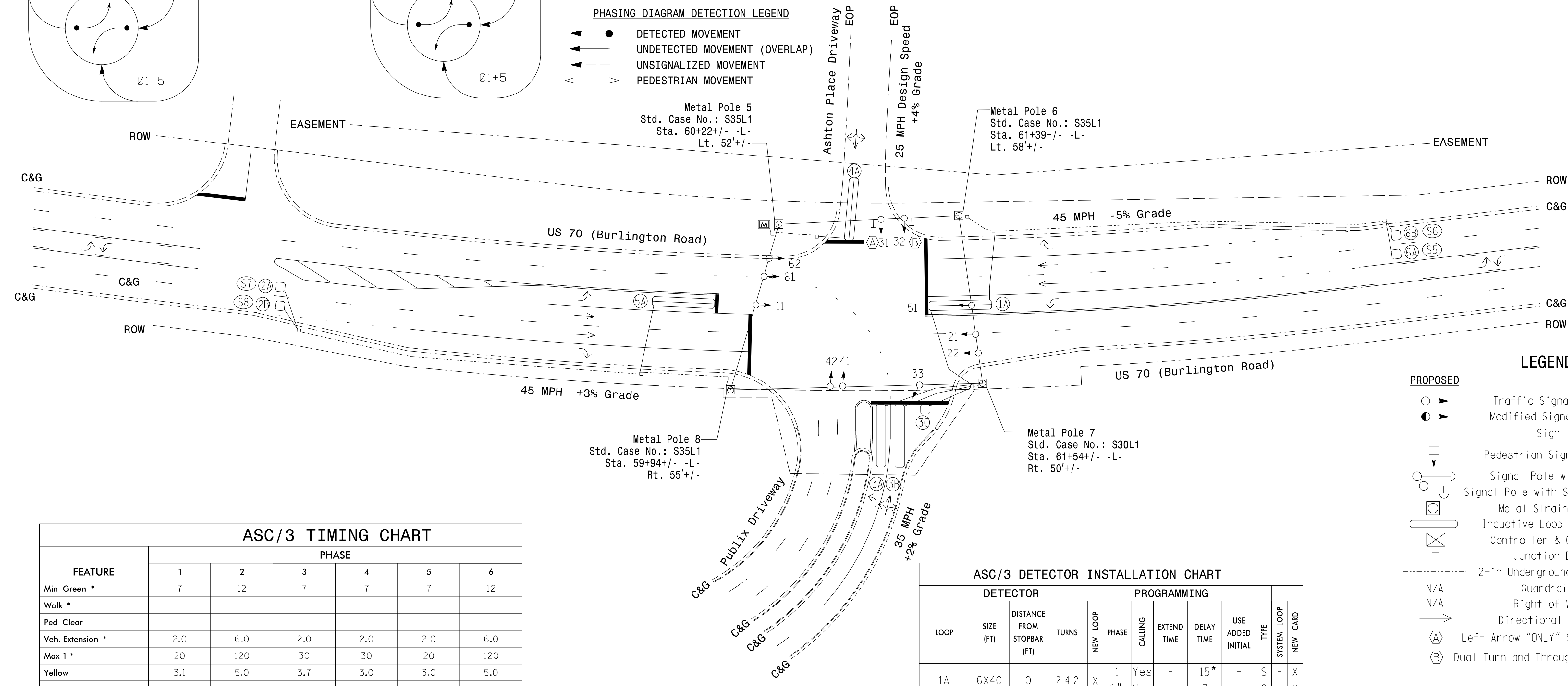
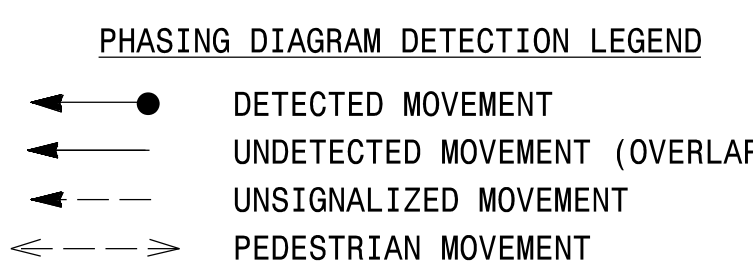
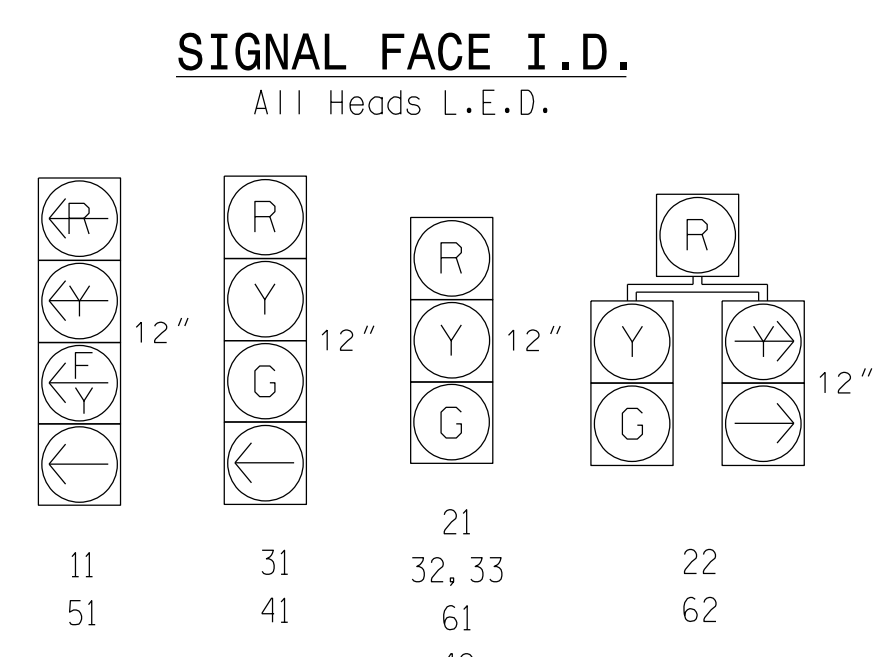


**DEFAULT PHASING TABLE OF OPERATION**

SIGNAL FACE	PHASE					
	Ø1+5	Ø1+6	Ø2+5	Ø2+6	Ø3	Ø4
11	←	←	←	←	←	←
21	R	R	G	G	R	R
22	R	R	G	G	R	R
31	R	R	R	R	G	R
32, 33	R	R	R	R	G	R
41	R	R	R	R	R	G
42	R	R	R	R	R	G
51	←	←	←	←	←	←
61	R	G	R	G	R	R
62	R	G	R	G	R	R

**ALTERNATE PHASING TABLE OF OPERATION**

SIGNAL FACE	PHASE					
	Ø1+5	Ø1+6	Ø2+5	Ø2+6	Ø3	Ø4
11	←	←	←	←	←	←
21	R	R	G	G	R	R
22	R	R	G	G	R	R
31	R	R	R	R	G	R
32, 33	R	R	R	R	G	R
41	R	R	R	R	R	G
42	R	R	R	R	R	G
51	←	←	←	←	←	←
61	R	G	R	G	R	R
62	R	G	R	G	R	R



**ASC/3 TIMING CHART**

FEATURE	PHASE					
	1	2	3	4	5	6
Min Green *	7	12	7	7	7	12
Walk *	-	-	-	-	-	-
Ped Clear	-	-	-	-	-	-
Veh. Extension *	2.0	6.0	2.0	2.0	2.0	6.0
Max 1 *	20	120	30	30	20	120
Yellow	3.1	5.0	3.7	3.0	3.0	5.0
Red Clear	2.4	2.0	2.4	2.6	3.3	2.0
Actuations B4 Add *	-	-	-	-	-	-
Seconds / Actuation *	-	2.5	-	-	-	2.5
Max Initial *	-	34	-	-	-	34
Time Before Reduction *	-	15	-	-	-	15
Time To Reduce *	-	60	-	-	-	60
Minimum Gap	-	3.0	-	-	-	3.0
Locking Detector	-	X	-	-	-	X
Recall Position	-	VEH RECALL	-	-	-	VEH RECALL
Dual Entry	-	-	-	-	-	-
Simultaneous Gap	X	X	X	X	X	X

**ASC/3 DETECTOR INSTALLATION CHART**

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							
					PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE	LOOP SYSTEM	NEW CARD
1A	6X40	0	2-4-2	X	1	Yes	-	15*	-	S	-	X
					6#	Yes	-	3	-	G	-	X
2A/S7	6X6	300	5	X	2	Yes	-	-	X	N	X	X
2B/S8	6X6	300	5	X	2	Yes	-	-	X	N	X	X
3A	6X40	0	2-4-2	X	3	Yes	-	-	-	S	-	X
3B	6X40	0	2-4-2	X	3	Yes	-	5	-	S	-	X
3C	6X6	0	5	X	3	Yes	-	15	-	S	-	X
4A	6X40	0	2-4-2	X	4	Yes	-	5	-	S	-	X
5A	6X40	0	2-4-2	X	5	Yes	-	15*	-	S	-	X
					2#	Yes	-	3	-	G	-	X
6A/S5	6X6	300	5	X	6	Yes	-	-	X	N	X	X
6B/S6	6X6	300	5	X	6	Yes	-	-	X	N	X	X

\* Reduce delay to 3 seconds during Alternate Phasing Operation.  
# Disable phase call for loop(s) during Alternate Phasing Operation.

**New Installation**

Prepared For the Offices of:

**US 70 (Burlington Rd) at Publix and Ashton Place**

Division 7 Guilford County McLeansville  
 PLAN DATE: September 2019 REVIEWED BY: M. Stygles  
 PREPARED BY: J. Ma REVIEWED BY: J. Ma  
 REVISIONS: \_\_\_\_\_ INIT. DATE: \_\_\_\_\_

Seal: J. Ma, Professional Engineer, No. 033108, State of North Carolina, dated 10/16/2019.

SCALE: 1" = 40'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SIG. INVENTORY NO. 07-1859

