

PHASING DIAGRAM

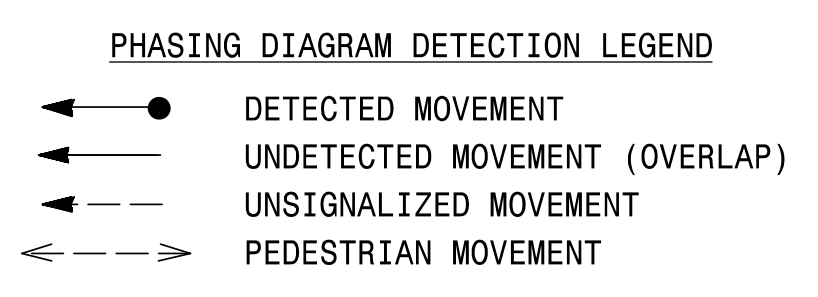
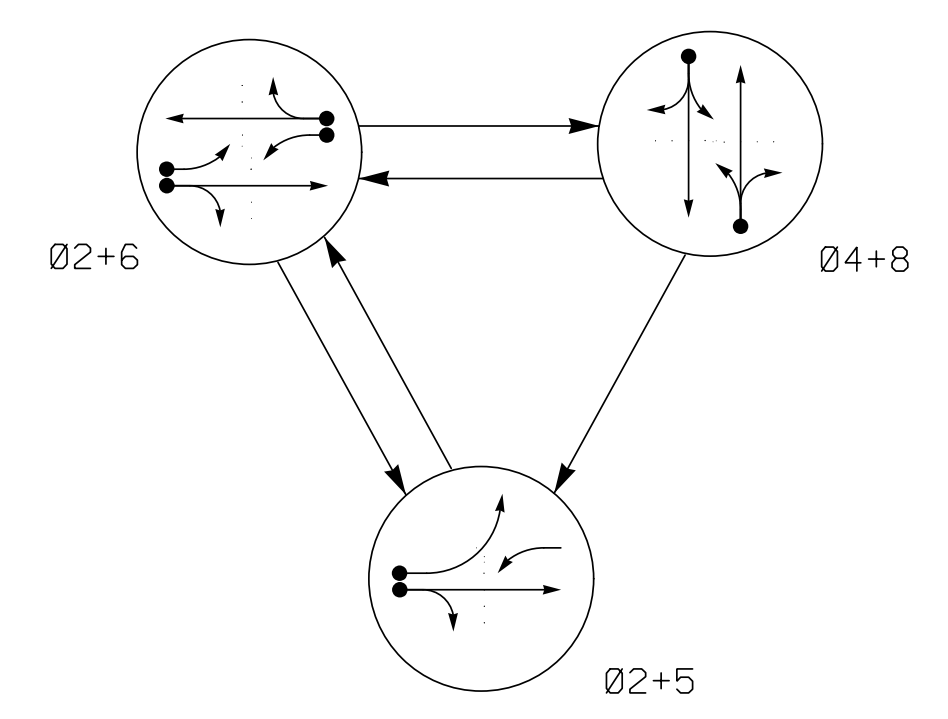
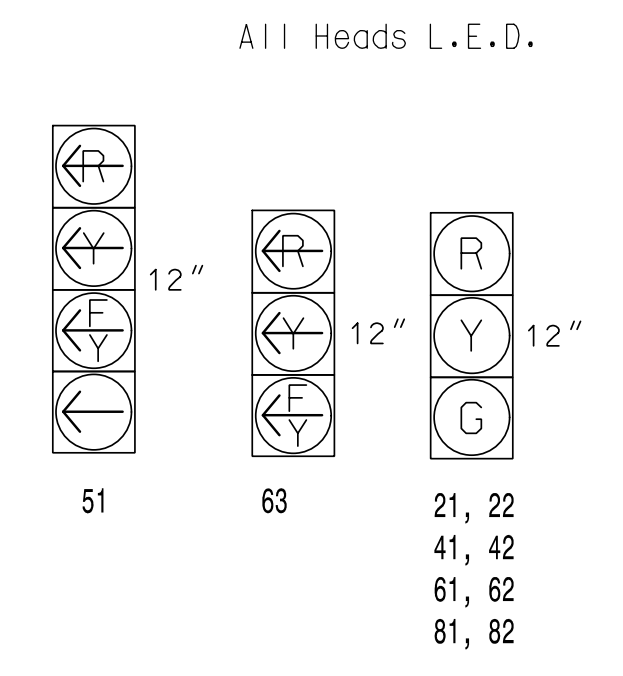


TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø 2+5	Ø 4+8	FL HOOD
21, 22	G	G	Y
41, 42	R	R	G
51	←	←	←
61, 62	R	G	Y
63	←	←	←
81, 82	R	R	G

SIGNAL FACE I.D.



ASC/3 DETECTOR INSTALLATION CHART

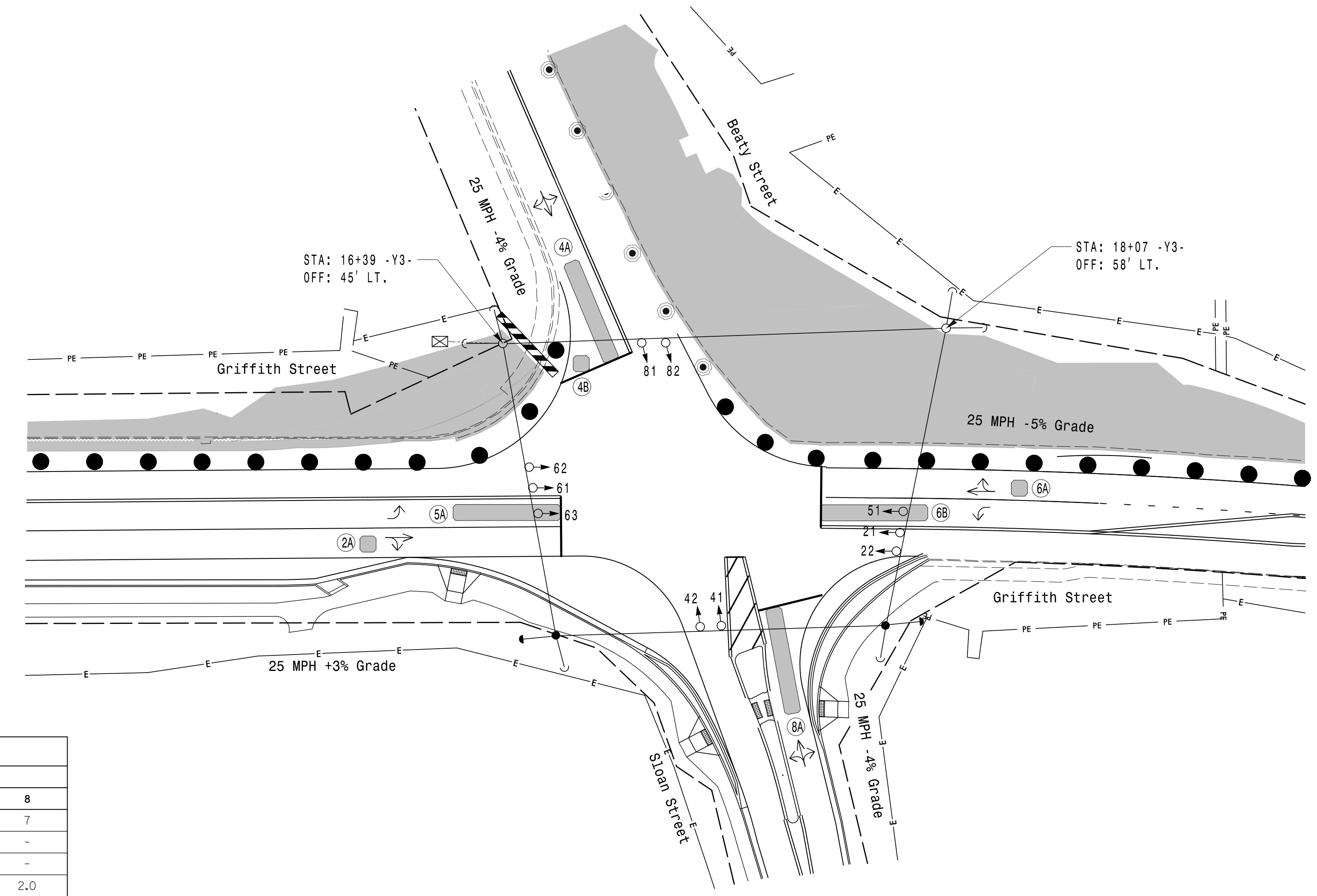
DETECTOR				PROGRAMMING								
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE	SYSTEM LOOP	NEW CARD
2A	6X6	70	*	X	2	Yes	-	-	-	N	-	X
4A	6X40	0	*	X	4	Yes	-	5	-	N	-	X
4B	6X6	0	*	X	4	Yes	-	15	-	N	-	X
5A	6X40	0	*	X	5	Yes	-	15	-	N	-	X
					2	Yes	-	-	-	N	-	X
6A	6X6	70	*	X	6	Yes	-	-	-	N	-	X
6B	6X40	0	*	X	6	Yes	-	-	-	N	-	X
8A	6X40	0	*	X	8	Yes	-	5	-	N	-	X

* Video Detection Zone

3 Phase Fully Actuated (Isolated)

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 5 may be lagged.
4. Set all detector units to presence mode.
5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
6. This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
7. See Roadway Traffic Control Plans for proposed stopline and crosswalk locations.

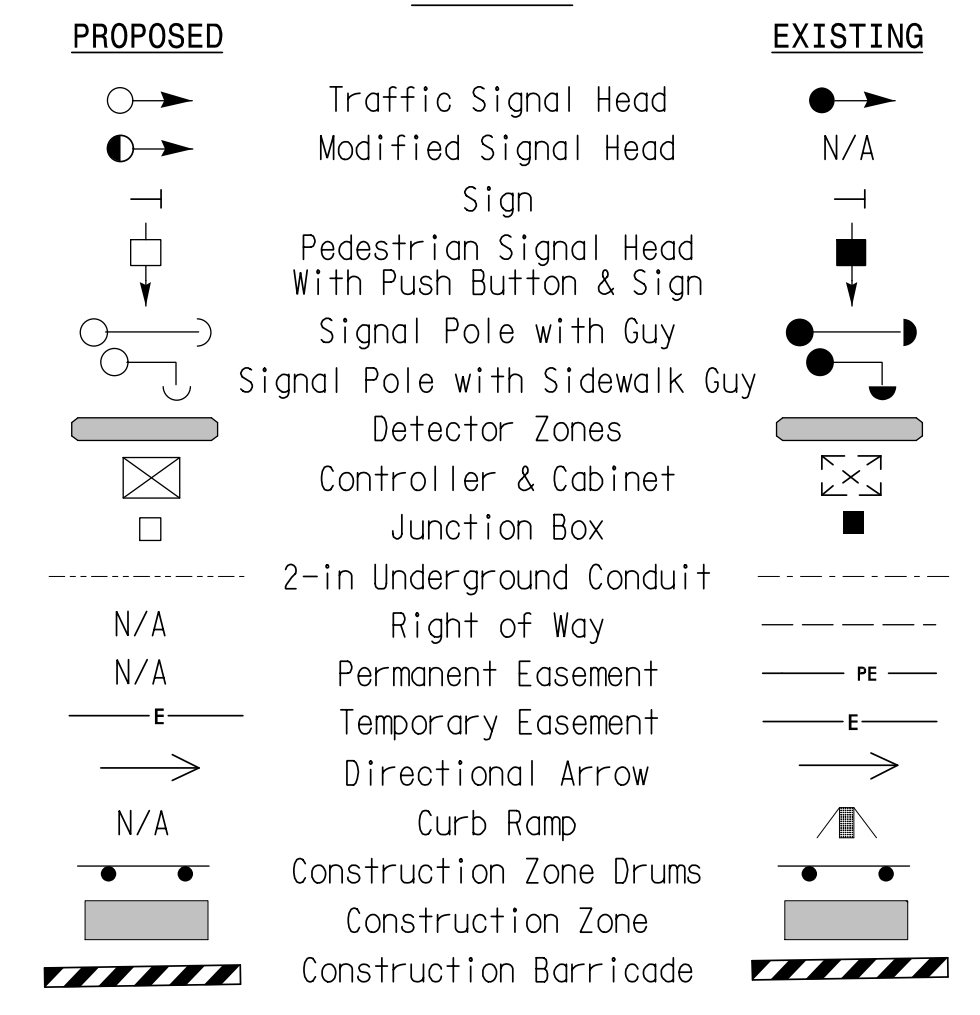


ASC/3 TIMING CHART

FEATURE	PHASE				
	2	4	5	6	8
Min Green *	10	7	7	10	7
Walk *	-	-	-	-	-
Ped Clear	-	-	-	-	-
Veh. Extension *	3.0	2.0	2.0	3.0	2.0
Max 1 *	45	20	20	45	20
Yellow	3.5	3.4	3.0	3.5	3.4
Red Clear	2.4	2.8	1.9	2.4	2.2
Red Revert	2.0	2.0	2.0	2.0	2.0
Actuations B4 Add *	-	-	-	-	-
Seconds / Actuation *	-	-	-	-	-
Max Initial *	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-
Time To Reduce *	-	-	-	-	-
Minimum Gap	-	-	-	-	-
Locking Detector	X	-	-	X	-
Recall Position	VEH. RECALL	-	-	VEH. RECALL	-
Dual Entry	-	X	-	-	X
Simultaneous Gap	X	X	X	X	X

* 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



Signal Upgrade - Temporary Design 2 (TMP Phase 3B)

PLANS PREPARED IN THE OFFICE OF:
Kimley»Horn
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 (919) 677-2000

Prepared For:

 The Town of Davidson
 College Street, Lake Street, Bear Lane

Griffith Street at Sloan Street/Beaty Street

Division 10 Mecklenburg Davidson

PLAN DATE: July 2023 REVIEWED BY: KP Baumann

PREPARED BY: SP Pennington REVIEWED BY:

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Seal of Kevin P. Baumann, Professional Engineer, License No. 044434, State of North Carolina.

DocuSigned by:

 Kevin P. Baumann
 DATE: 9/19/2023

SIG. INVENTORY NO. DAVI-1T2

9/19/2023 9:16:51 AM susan.pennington K:\RAL_T\TDK-SIGNALS\1036360_U-5907_Port+Sloan_EXRMS4 - Signal Design\3.0 DAVI-1-2023g-T2.dgn