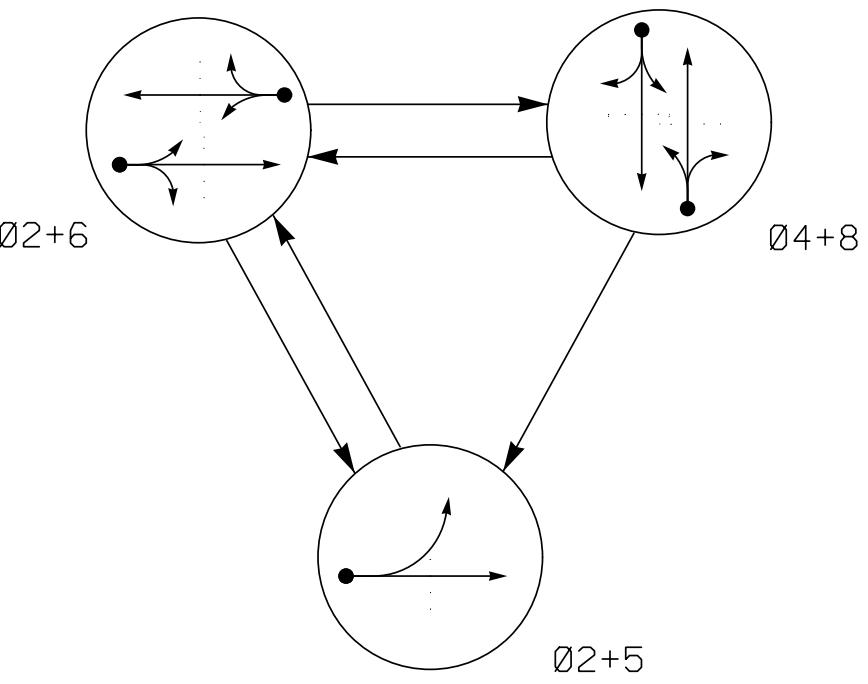


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

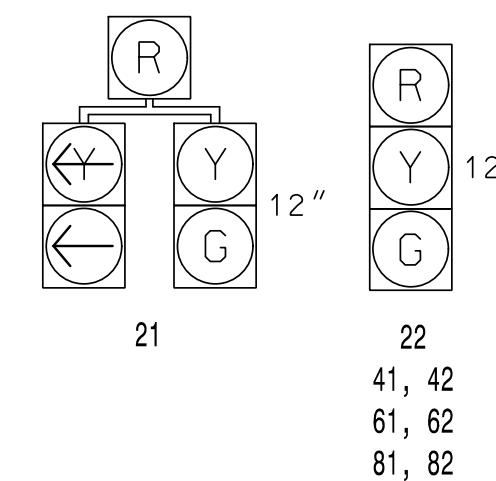
- ←● DETECTED MOVEMENT
- ←— UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- ↔ PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE							
	0 2 4 6 8	0 2 4 6 8	0 2 4 6 8	0 2 4 6 8	F	S	H	SUD
21	G	G	R	Y				
22	G	G	R	Y				
41, 42	R	R	G	R				
61, 62	R	G	R	Y				
81, 82	R	R	G	R				

SIGNAL FACE I.D.

All Heads L.E.D.



12"

ASC/3 DETECTOR INSTALLATION CHART

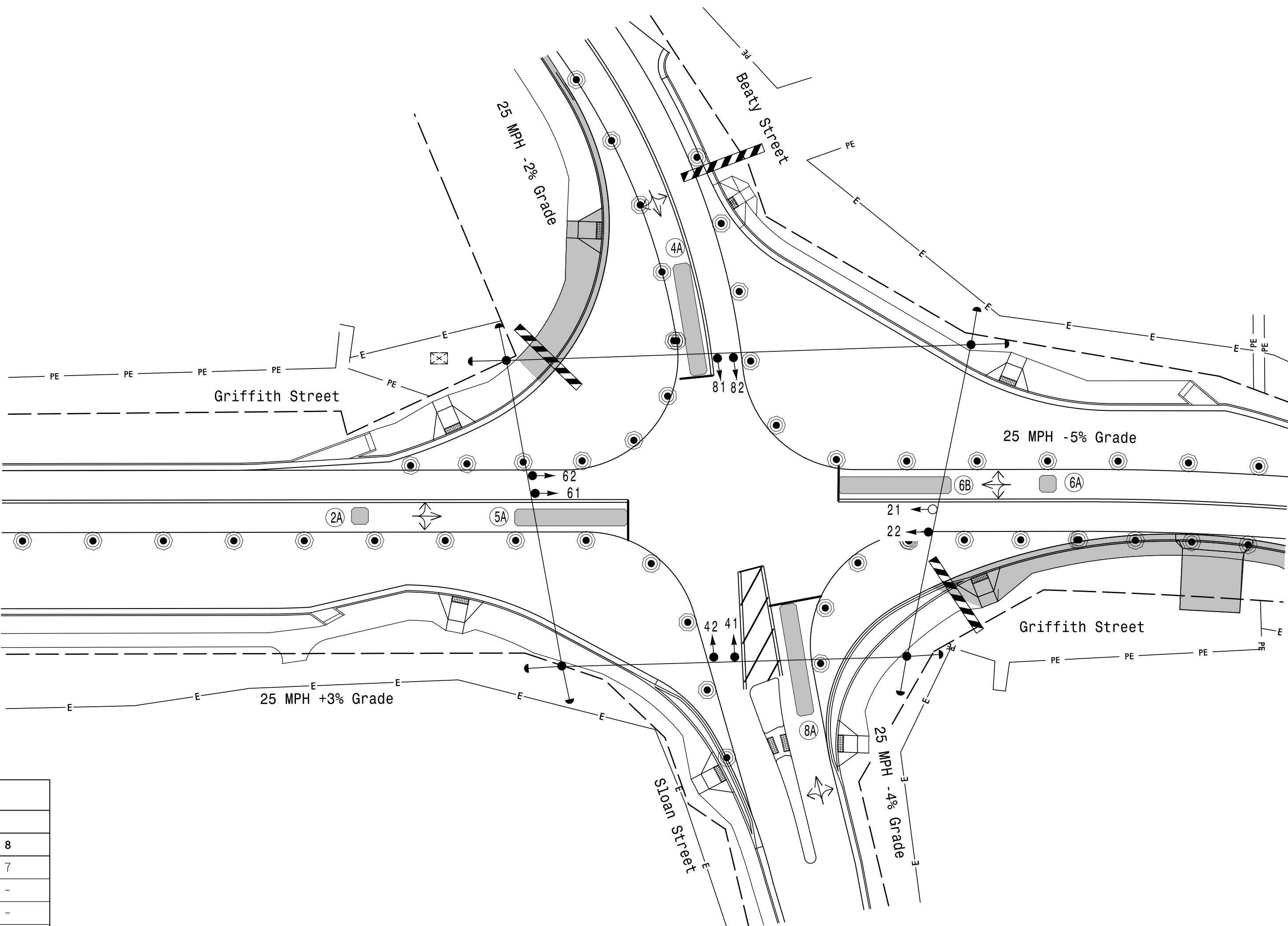
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING		TYPE	SYSTEM LOOP	NEW CARD
					PHASE	CALLING			
2A	6X6	70	*	X	2	Yes	-	-	N
4A	6X40	0	*	X	4	Yes	-	10	-
5A	6X40	0	*	X	5	Yes	-	10	-
6A	6X6	70	*	X	6	Yes	2	5	-
6B	6X40	0	*	X	6	Yes	2	5	-
8A	6X40	0	*	X	8	Yes	-	-	N

* Video Detection Zone

3 Phase
Fully Actuated
(Isolated)

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.
- Omit phase 5 during phase 6 on.
- Enable Backup Protect for phase 2 to allow the controller to clear from phase 2+6 to phase 2+5 by progressing through an all red display.
- Reposition existing signal heads 81 and 82.
- Set all detector units to presence mode.
- This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- See Roadway Traffic Control Plans for proposed stopline and crosswalk locations.



ASC/3 TIMING CHART

K:\\RAL_TPD\\SIGNALS\\011036360\\U-5907_Ports-Signs_Ext\\SIG4 - Signal Design\\4.0 DAVI-1-2023g-T3.dgn

9:16:58 AM susan.pennington

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	3.1	3.3	3.0	3.5	3.4
Red Clear	1.5	1.6	1.4	1.5	1.5
Red Revert	5.0	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

PROPOSED	EXISTING
Traffic Signal Head	N/A
Modified Signal Head	N/A
Sign	N/A
Pedestrian Signal Head With Push Button & Sign	N/A
Signal Pole with Guy	N/A
Signal Pole with Sidewalk Guy	N/A
Detector Zones	N/A
Controller & Cabinet	Junction Box
Junction Box	2-in Underground Conduit
N/A	Right of Way
N/A	Permanent Easement
E	Temporary Easement
→	Directional Arrow
N/A	Curb Ramp
Construction Zone Drums	N/A
Construction Zone	Construction Zone
Construction Barricade	Construction Barricade

Signal Upgrade - Temporary Design 3
(TMP Phase 3C)

Prepared For:	Griffith Street at Sloan Street/Beatty Street		
Division 10 Mecklenburg Davidson			
PLANS PREPARED IN THE OFFICE OF:	Kimley-Horn		
NC License #F-0102	PLAN DATE:	July 2023	REVIEWED BY:
421 Fayetteville Street, Suite 600	PREPARED BY:	S.P. Pennington	REVIEWED BY:
Raleigh, NC 27601	(919) 677-2000	K. Baumann	
9/19/2023	SCALE	0 30	INIT. DATE
9:16:58 AM	REVISIONS	1"=30'	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
 SEAL 044434 NORTH CAROLINA PROFESSIONAL ENGINEERS SOCIETY THE TOWN OF DAVIDSON COLLEGE TOWN. LITTLE TOWN. YOUR HOME. DocuSigned by: Ken Baumann 9/19/2023 SIGNATURE DATE S.I.G. INVENTORY NO. DAVI-1T3			