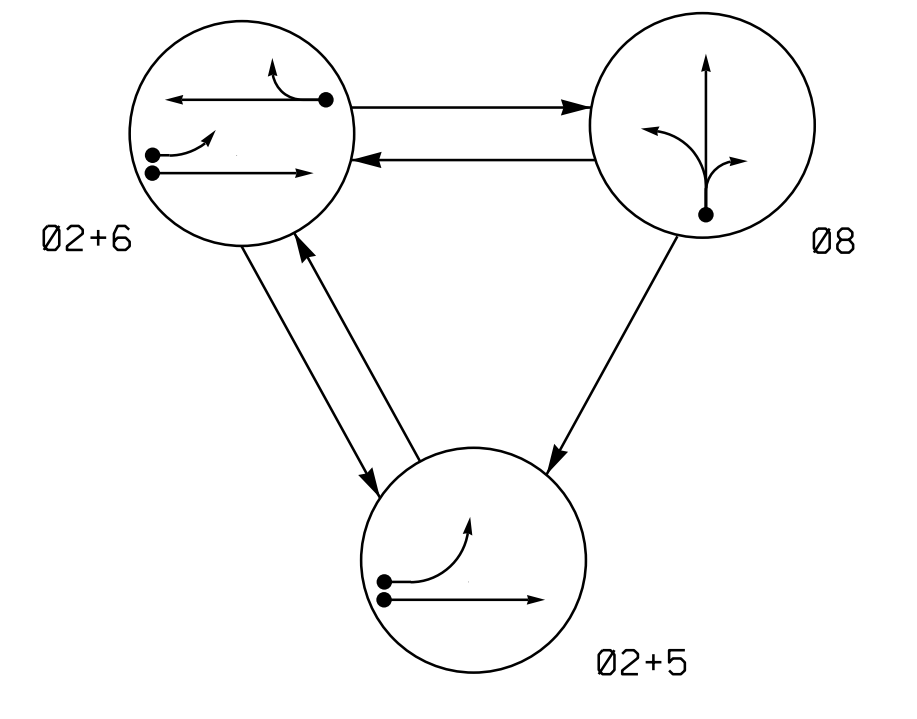
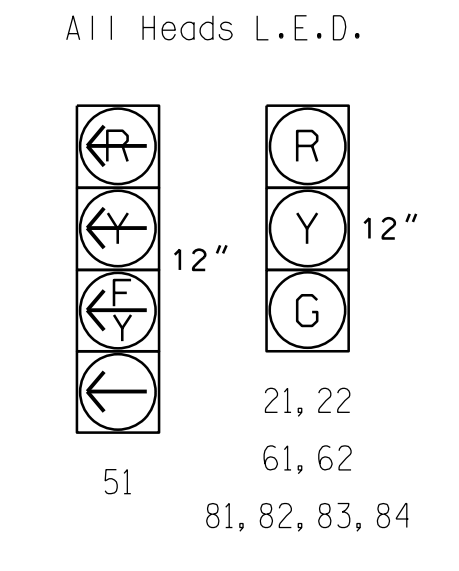


PHASING DIAGRAM



SIGNAL FACE	PHASE			
	02+5	02+6	08	RIGHT
21, 22	G	G	R	Y
51	-	F	R	Y
61, 62	R	G	R	Y
81, 82, 83, 84	R	R	G	R

SIGNAL FACE I.D.



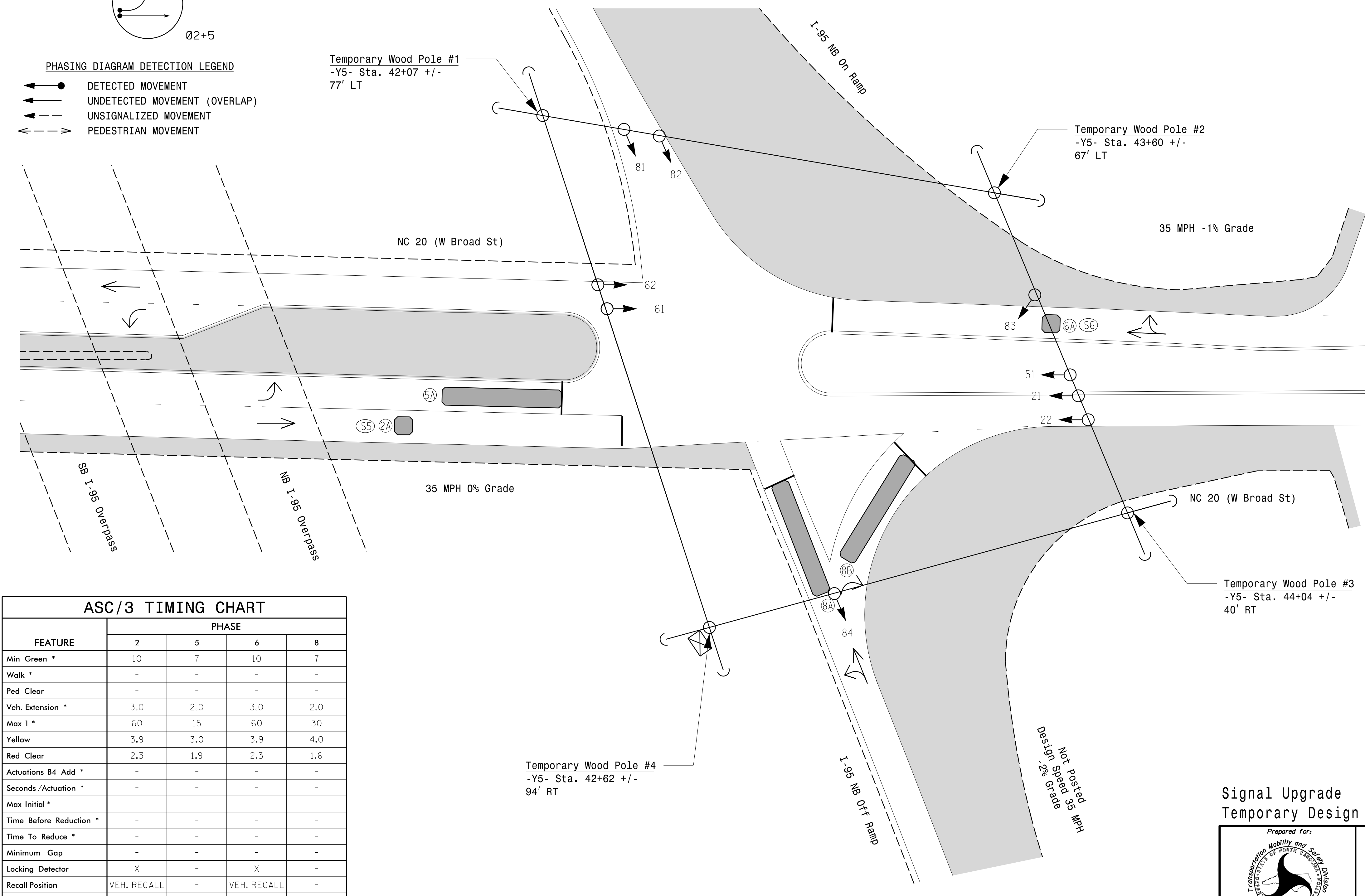
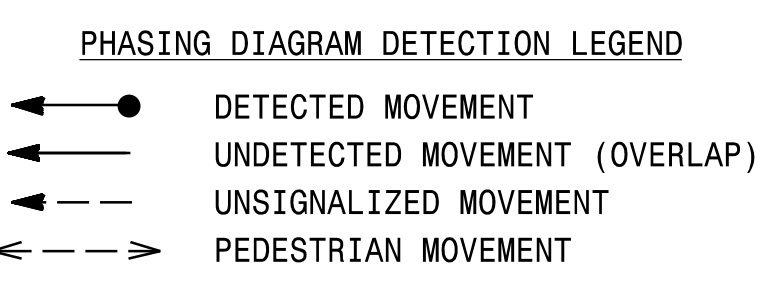
ASC/3 DETECTOR INSTALLATION CHART											
DETECTOR						PROGRAMMING					
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW ZONE	PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE	NEW CARD
2A/S5	6X6	70	*	*	2	Yes	-	-	-	N	X
5A	6X40	0	*	*	5	Yes	-	15	-	N	-
6A/S6	6X6	70	*	*	6	Yes	-	-	-	N	X
8A	6X40	0	*	*	8	Yes	-	-	-	N	-
8B	6X40	0	*	*	8	Yes	-	15	-	N	-

* Multizone Microwave Detection Zone

3 Phase
Fully Actuated
D06-21 St. Pauls

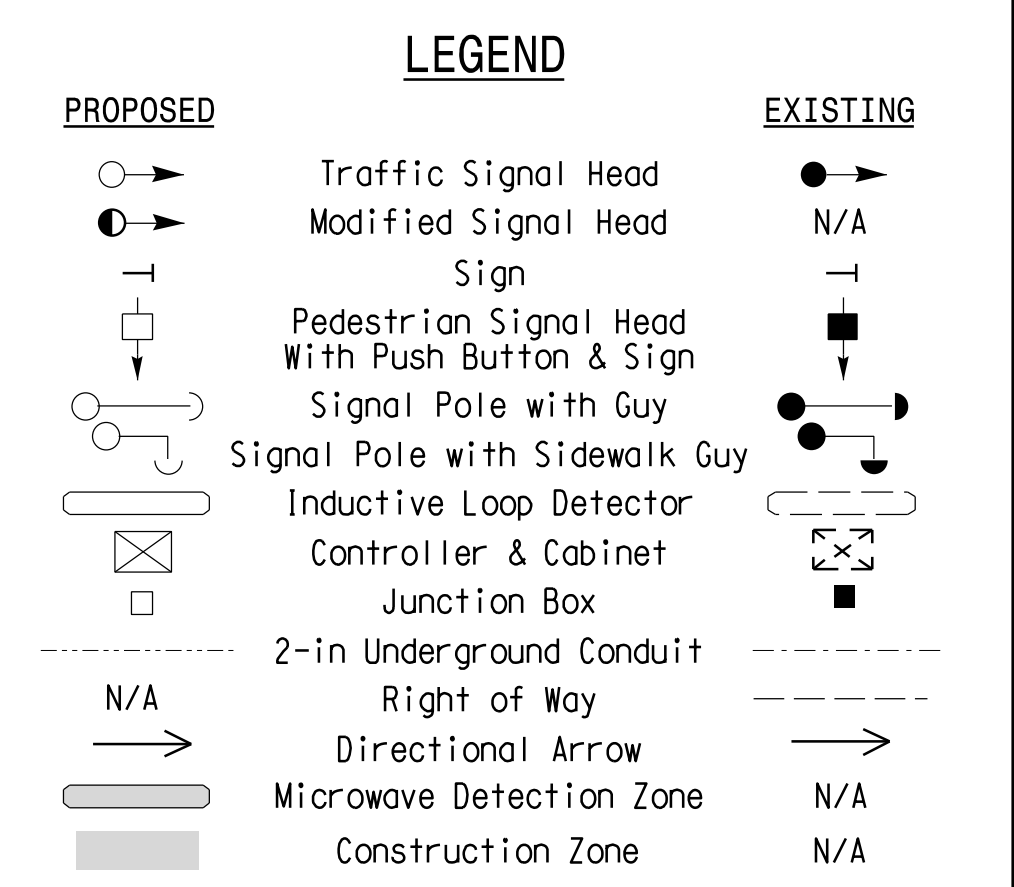
NOTES

- 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 5 may be lagged.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
- This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- Closed loop system data: Controller Asset #1366.
- Contractor shall remove and relocate wireless radio/antenna, as required, in order to maintain CLS communication during construction.



FEATURE	PHASE			
	2	5	6	8
Min Green *	10	7	10	7
Walk *	-	-	-	-
Ped Clear	-	-	-	-
Veh. Extension *	3.0	2.0	3.0	2.0
Max 1 *	60	15	60	30
Yellow	3.9	3.0	3.9	4.0
Red Clear	2.3	1.9	2.3	1.6
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	-	-	-	-
Simultaneous Gap	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.



Signal Upgrade
Temporary Design 2 - (TMP Phase 2.1)

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

 RKA RAMEY KEMP ASSOCIATES 8210 University Executive Park Drive Suite 200 Charlotte, North Carolina 28226 Phone: 704-688-4202 www.rkainc.com NC License No. C-2019	Prepared For: TRANSPORTATION MOBILITY AND SAFETY DIVISION DEPARTMENT OF TRANSPORTATION Signal Design Section		NC 20 (W. Broad St.) at I-95 NB Ramps Division 6 Robeson County St. Pauls PLAN DATE: February 2022 REVIEWED BY: WJ Hamilton PREPARED BY: TS Popelka RKA PROJ. NO.: 21273 (040)		SEAL WILLIAM J. HAMILTON ENGINEER DATE: 02/25/2022 SIGNATURE: [Signature] SIG. INVENTORY NO. 06-1366T2				
	750 N. Greenfield Pkwy, Garner, NC 27529 SCALE: 0" = 20' 1" = 20'		REVISIONS <table border="1"> <tr> <th>NO.</th> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>			NO.	INIT.	DATE	
NO.	INIT.	DATE							

2/24/2022
 4:46:13 PM
 User: jwincat