

PHASING DIAGRAM

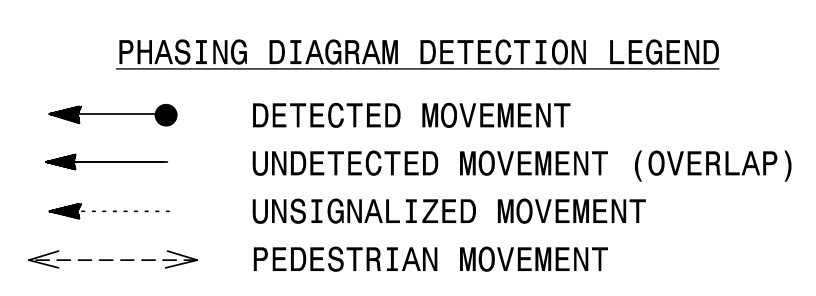
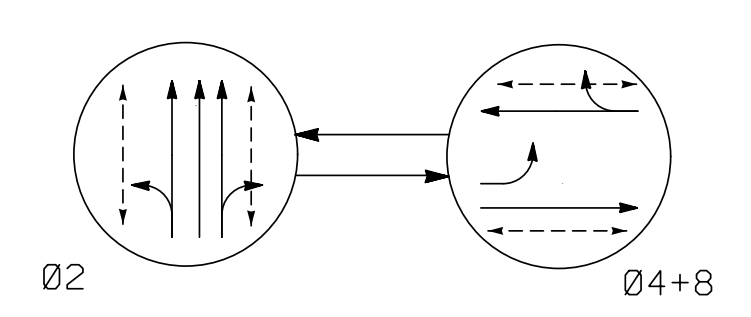
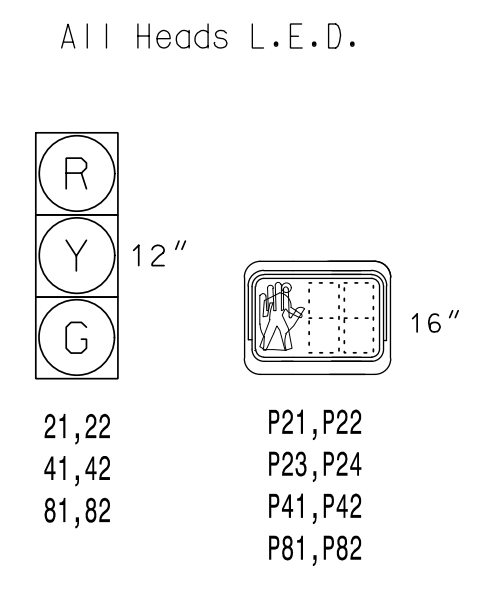


TABLE OF OPERATION

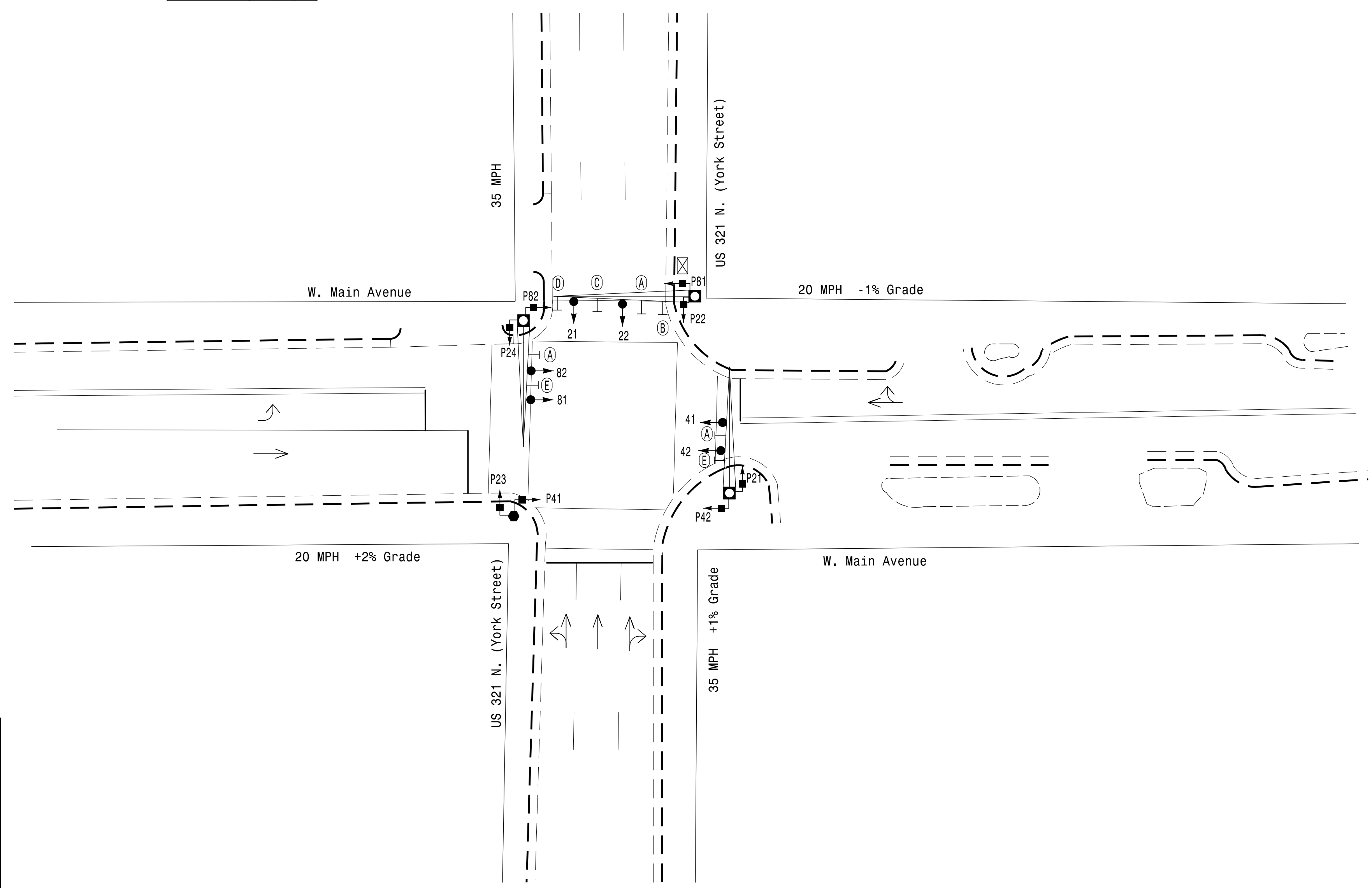
SIGNAL FACE	PHASE		
	Ø2	Ø4+8	FLASH
21, 22	G	R	Y
41, 42	R	G	R
81, 82	R	G	R
P21, P22 P23, P24	W	DW	DRK
P41, P42	DW	W	DRK
P81, P82	DW	W	DRK

SIGNAL FACE I.D.



**2 Phase
Pre-Timed
Gastonia Signal System**

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. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
4. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
5. Pavement markings are existing.
6. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
7. Install new cabinet on the existing cabinet foundation.
8. All new cabinets and base extenders shall be black in color. See Project Special Provisions for details.
9. City system data:
Controller Asset #0086.

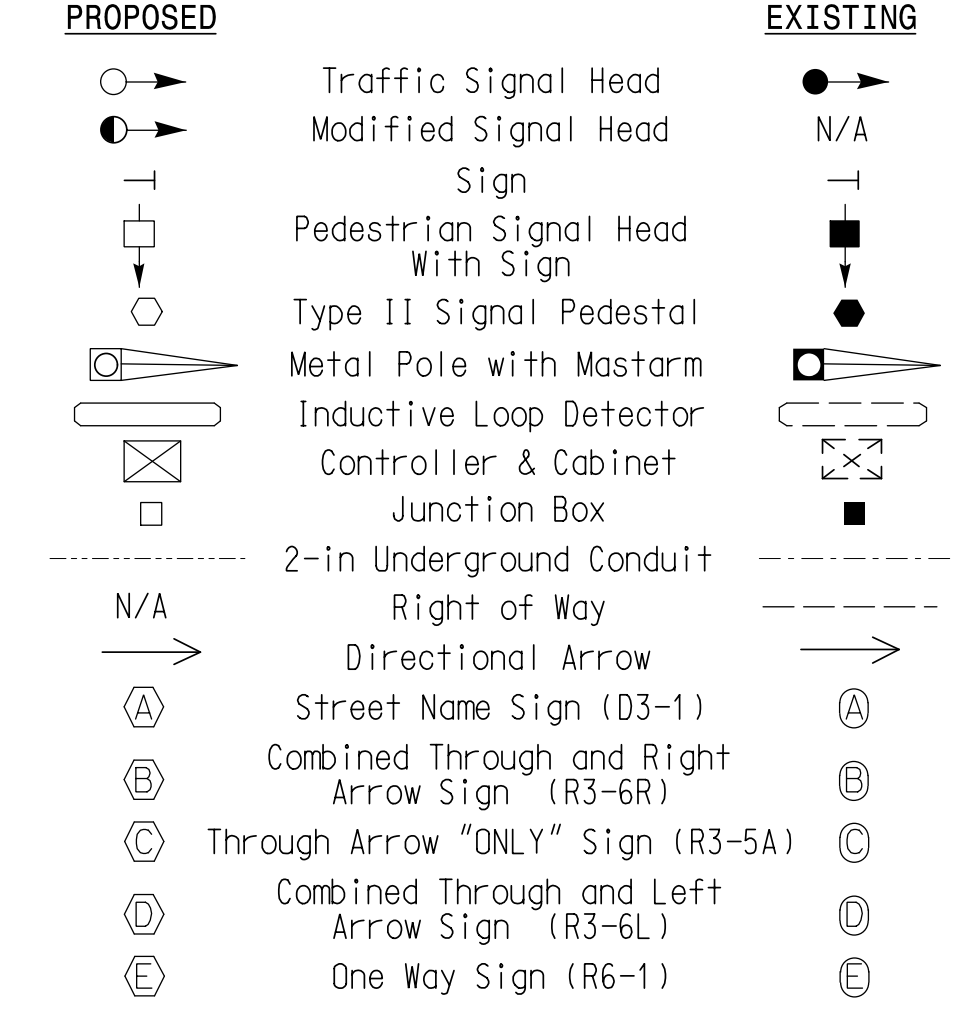


TIMING CHART

FEATURE	PHASE		
	2	4	8
Min Green *	10	7	10
Walk *	4	4	4
Ped Clear	10	7	9
Veh. Extension *	-	-	-
Max I *	45	25	25
Yellow	3.8	3.0	3.0
Red Clear	1.2	2.1	2.1
Red Revert	2.0	2.0	2.0
Actuations B4 Add *	-	-	-
Seconds / Actuation *	-	-	-
Max Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Reduce *	-	-	-
Minimum Gap	-	-	-
Locking Detector	-	-	-
Recall Position	PED/MAX	PED/MAX	PED/MAX
Dual Entry	-	X	X
Simultaneous Gap	X	X	X

* These values may be field adjusted. Do not adjust Min Green and Extension times for phase 2 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND



Signal Upgrade

 Prepared For: Transportation Mobility and Safety Division UNIVERSITY OF NORTH CAROLINA STATE OF TRANSPORTATION Signal Design Section 750 N. Greenfield Pkwy, Garner, NC 27529 NC License #F-0102 421 Fayetteville Street, Suite 600 Raleigh, NC 27601 (919) 677-2000	US 321 N. (York Street) at W. Main Avenue		 ENGINEER KEVIN P. BAUMANN
	Division 12 Gaston County Gastonia PLAN DATE: May 2021 REVIEWED BY: SL Phillips PREPARED BY: CF Davis REVIEWED BY: KP Baumann	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
SCALE: 1" = 20' 	REVISIONS: _____ INIT. DATE _____ _____ INIT. DATE _____ _____ INIT. DATE _____	Date Signed by: 3/11/2022 DATE: _____ SIGNATURE: _____ SIG. INVENTORY NO. 12-0086	

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