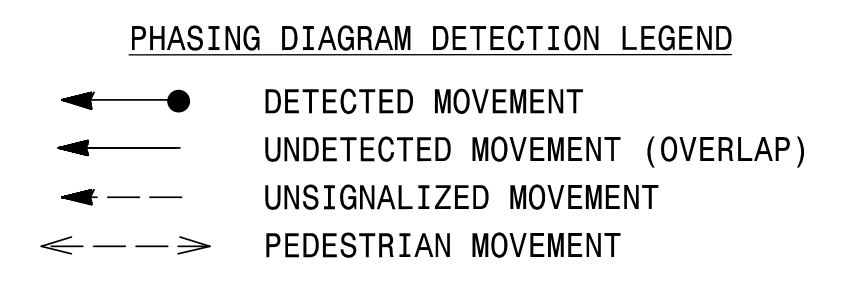
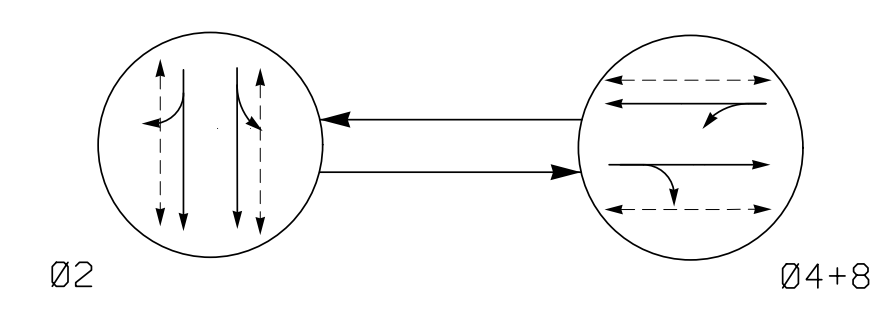
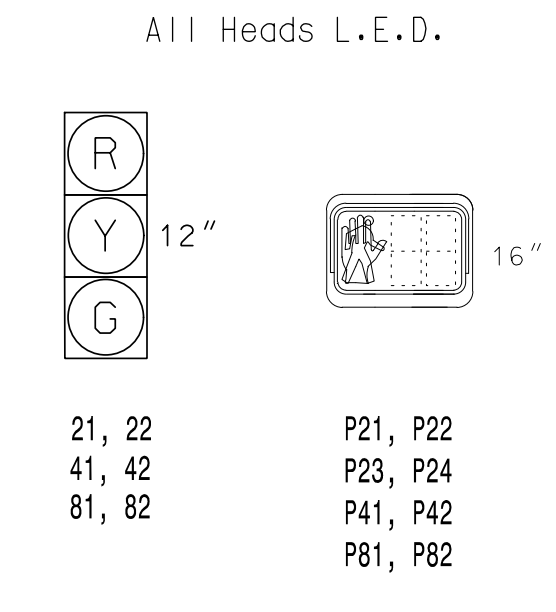


PHASING DIAGRAM



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

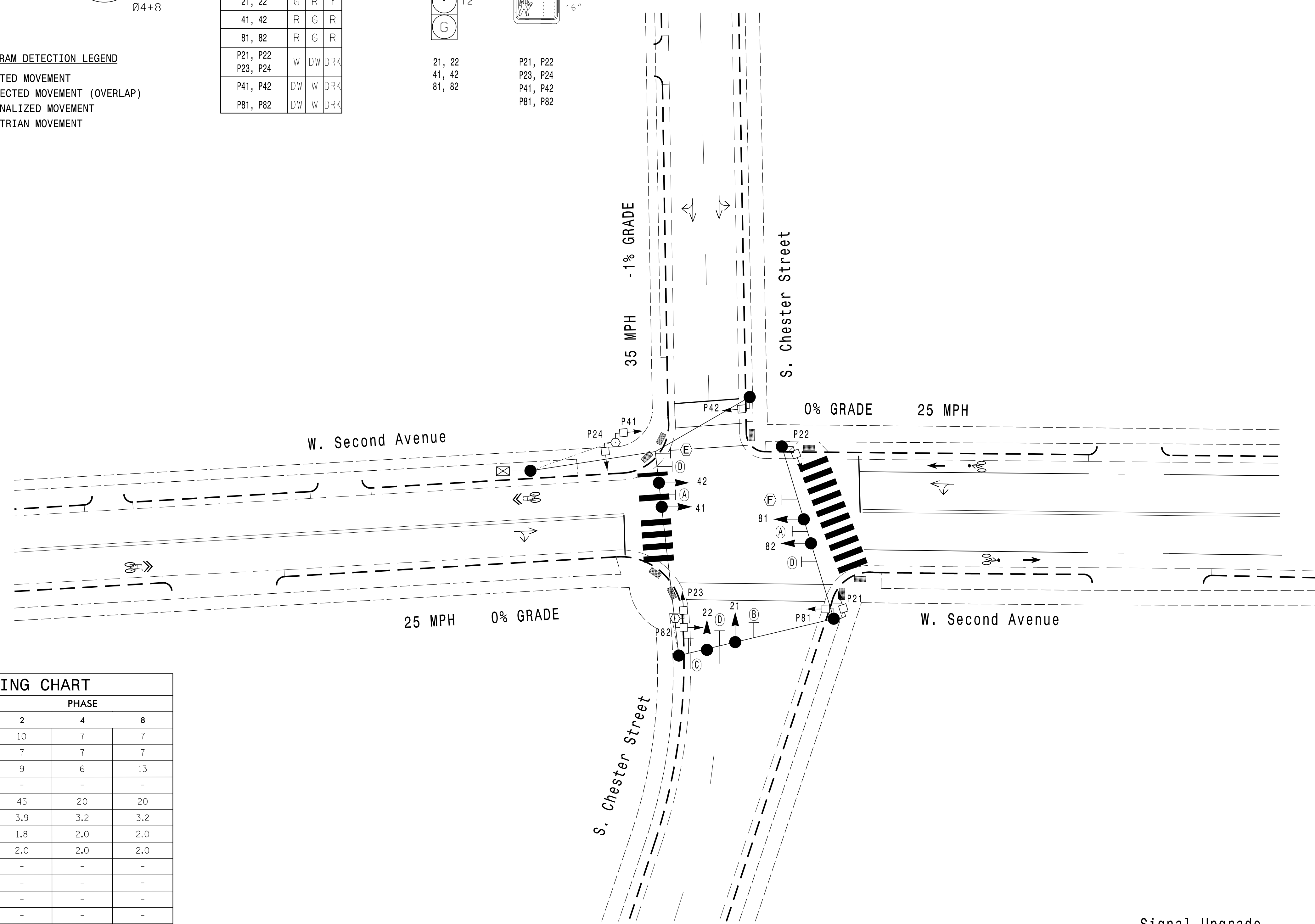
SIGNAL FACE I.D.



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

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.
- Install new cabinet on a new cabinet foundation.
- All new cabinets and base extenders shall be black in color. See Project Special Provisions for details.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
- Rewire all intersection equipment to new cabinet
- All proposed pedestrian signal heads and pedestals shall be black in color. See Project Special Provisions for details.
- City system data:
Controller Asset: #0074



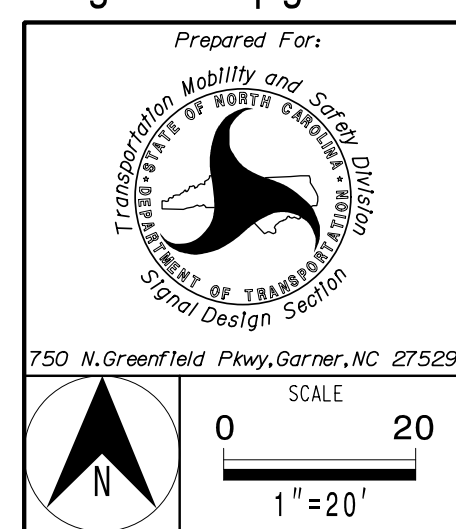
FEATURE	PHASE		
	2	4	8
Min Green *	10	7	7
Walk *	7	7	7
Ped Clear	9	6	13
Veh. Extension *	-	-	-
Max I *	45	20	20
Yellow	3.9	3.2	3.2
Red Clear	1.8	2.0	2.0
Red Revert	2.0	2.0	2.0
Actuations B4 Add *	-	-	-
Seconds / Actuation *	-	-	-
Max Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Reduce *	-	-	-
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 phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

PROPOSED	LEGEND	EXISTING
○ →	Traffic Signal Head	● →
● →	Modified Signal Head	N/A
↓	Sign	↓
□ →	Pedestrian Signal Head with Sign	□ →
○ →	Signal Pole with Guy	● →
○ →	Signal Pole with Sidewalk Guy	● →
□	Inductive Loop Detector	□
□	Controller & Cabinet	□
□	Junction Box	□
---	2-in Underground Conduit	---
→	Right of Way	→
→	Directional Arrow	→
→	Pavement Marking Arrow	→
(A)	"One Way" Sign (R6-1)	(A)
(B)	Combined Through and Left Arrow Sign (R3-6L)	(B)
(C)	Combined Through and Right Arrow Sign (R3-6R)	(C)
(D)	Street Name Sign (D3-1)	(D)
(E)	No Right Turn Sign (R3-1)	(E)
(F)	No Left Turn Sign (R3-2)	(F)

Signal Upgrade

PLANS PREPARED IN THE OFFICE OF:
Kimley»Horn
NC License #F-0102
421 Fayetteville Street, Suite 600
Raleigh, NC 27601
(919) 677-2000



Prepared For:		S. Chester Street at W. Second Avenue	
Division 12	Gaston County	Gastonia	
PLAN DATE:	May 2021	REVIEWED BY:	SL Phillips
PREPARED BY:	DM Curri	REVIEWED BY:	KP Baumann
REVISIONS	INIT.	DATE	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DocuSigned by:	3/11/2022
SIG. INVENTORY NO.	12-0074

3/9/2022 11:13:32 AM Don@le.curf1 ***kimley-horn.com\\S...L\\RAL\\IPTOK\\ITS\\011036569 Gastonia Signal System\\Signal Design\\20074-2021.dgn