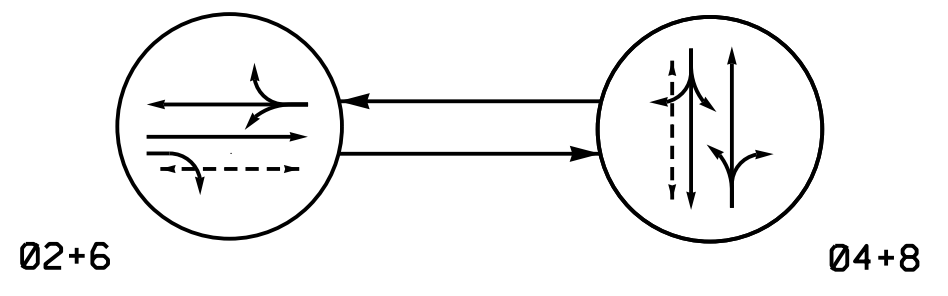


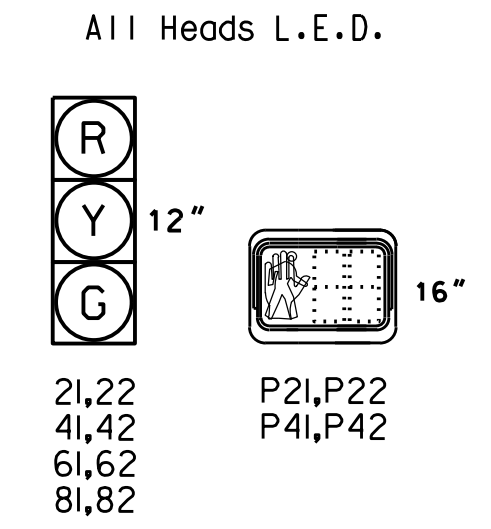
PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND
 ● DETECTED MOVEMENT
 ○ UNDETECTED MOVEMENT (OVERLAP)
 - - - UNSIGNALIZED MOVEMENT
 - - - PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE		
	02+6	04+8	FLASH
21,22	G	R	Y
41,42	R	G	R
61,62	G	R	Y
81,82	R	G	R
P21,P22	W	DW	DRK
P41,P42	DW	W	DRK

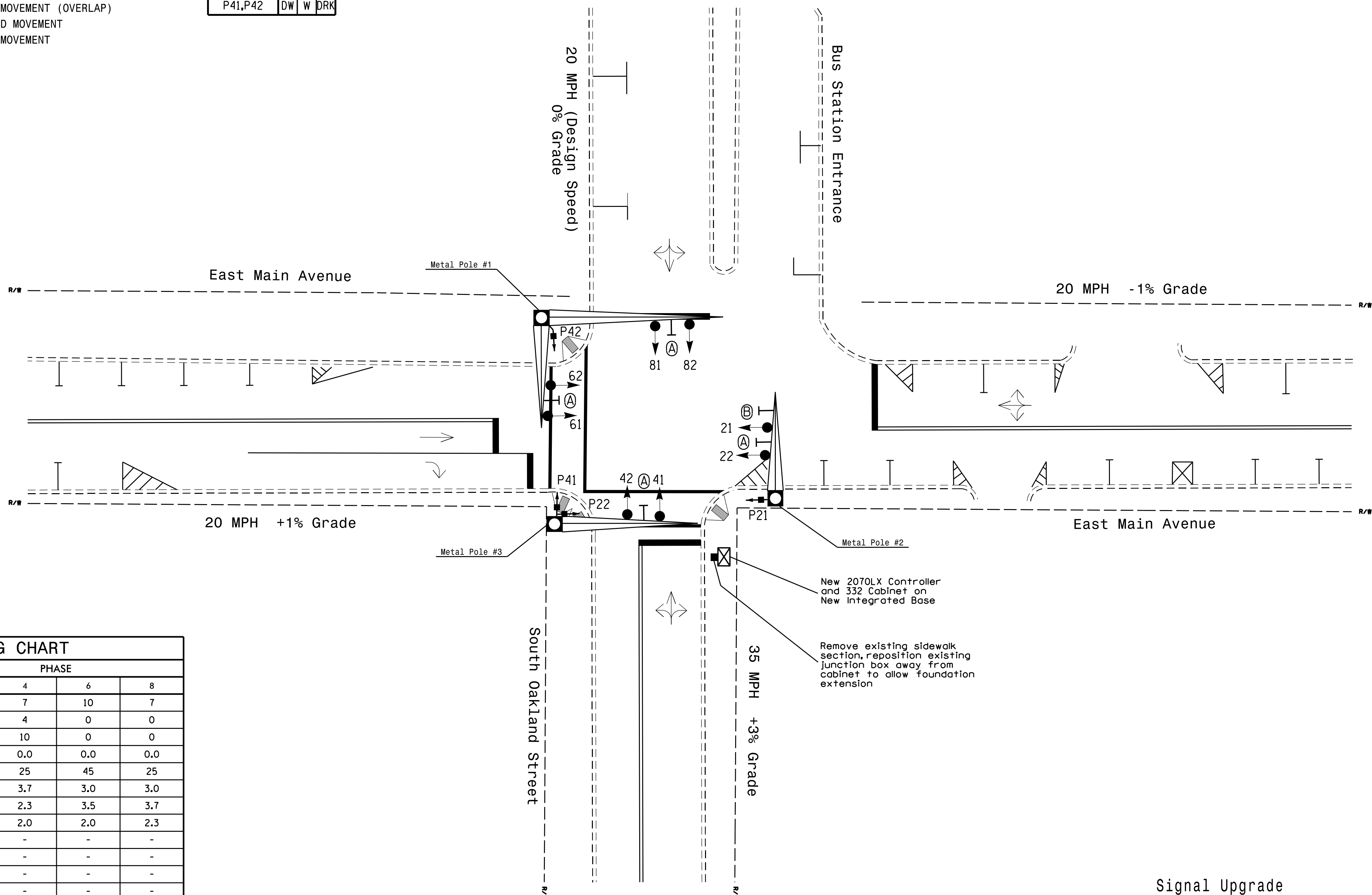
SIGNAL FACE I.D.



2 Phase
Pre-Timed
Gastonia Signal System

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. 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 unless otherwise noted.
6. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
7. All cabinets and base extenders shall be black in color. See Project Special Provisions for details.
8. City system data:
Controller Asset #0006.



FEATURE	PHASE			
	2	4	6	8
Min Green *	10	7	10	7
Walk *	4	4	0	0
Ped Clear	9	10	0	0
Veh. Extension *	0.0	0.0	0.0	0.0
Max 1 *	45	25	45	25
Yellow	3.0	3.7	3.0	3.0
Red Clear	3.5	2.3	3.5	3.7
Red Revert	2.0	2.0	2.0	2.3
Actuations B4 Add *	-	-	-	-
Seconds / Actuation *	-	-	-	-
Max Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Locking Detector	-	-	-	-
Recall Position	PED/MAX RECALL	PED/MAX RECALL	MAX RECALL	MAX 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.

PROPOSED	LEGEND	EXISTING
○	Traffic Signal Head	●
○	Modified Signal Head	N/A
+	Sign	+
+	Pedestrian Signal Head With Push Button & Sign	+
⊙	Metal Pole with Mastarm	⊙
⊗	Inductive Loop Detector	⊗
⊗	Controller & Cabinet	⊗
□	Junction Box	□
- - -	2-in Underground Conduit	- - -
N/A	Right of Way	- - -
→	Directional Arrow	→
N/A	Curb Ramp	▲
Ⓐ	Street Name Sign	Ⓐ
Ⓑ	Through Arrow "ONLY" Sign (R3-5A)	Ⓑ

Signal Upgrade

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of: NC FIRM LICENSE No: P-0339 320 Executive Court Hillsborough, NC 27278 (919) 732-3883 (919) 732-6676 (FAX)	Prepared For: 181 S. South St. Gastonia, NC 28052	East Main Avenue at South Oakland Street / Bus Station Entrance		SEAL Edward W. Sirgany 1/13/2022
		Division 12 PLAN DATE: May 2021 PREPARED BY: M. Parker	Gaston County REVIEWED BY: J. Smith REVIEWED BY: E. Sirgany	