

PHASING DIAGRAM DETECTION LEGEND

→ DETECTED MOVEMENT

VERLAP)

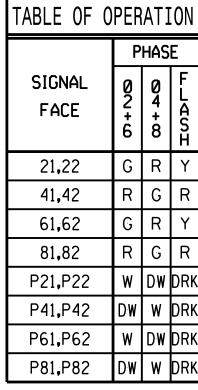
←	UNDETECTED MOVEMENT	(OV
◄	UNSIGNALIZED MOVEMEN	ΙT
← >	PEDESTRIAN MOVEMENT	

TIMING CHART						
	PHASE					
FEATURE	2	4	6	8		
Min Green *	15	15	15	15		
Walk *	7	7	7	7		
Ped Clear	12	10	7	10		
Veh. Extension *	0.0	0.0	0.0	0.0		
Max 1 *	45	25	45	25		
Yellow	3 . 9	3.9	3.0	3.0		
Red Clear	1.3	1.3	2.8	2.8		
Red Revert	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	-	-	-	-		
Recall Position	PED/MAX RECALL	PED/MAX RECALL	PED/MAX RECALL	PED/MAX RECALL		

* 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.

Dual Entry

Simultaneous Gap



21,22 41,42 61,62 81,82 P2I,P22 P4I,P42 P6I,P62 P8I,P82 35 Grade Metal Pole #1 20 MPH -1% Grade West Main Avenue P61 20 MPH 0% Grade East Main Avenue New 2070LX Controller and 332 Cabinet on Metal Pole #3 Existing Integrated Base ∖ Metal Pole #2 Grade ——— King

SIGNAL FACE I.D.

All Heads L.E.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:

<u>PROPOSED</u>

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Controller Asset #0010.

LEGEND EXISTING Traffic Signal Head Modified Signal Head Pedestrian Signal Head With Push Button & Sign

Metal Pole with Mastarm Inductive Loop Detector \boxtimes Controller & Cabinet Junction Box Type || Signal Pedestal 2-in Underground Conduit

Right of Way Directional Arrow Curb Ramp Street Name Sign

DOCUMENT NOT CONSIDERED FINAL **UNLESS ALL SIGNATURES COMPLETED** East Main Avenue West Main Avenue

Dr. Martin Luther King Jr. Way Gaston County REVIEWED BY: J. Smith

PLAN DATE: May 2021 IBI S. South St. Gastonia, NC 28052 PREPARED BY: M. Parker REVISIONS 1"=20'

Signal Upgrade

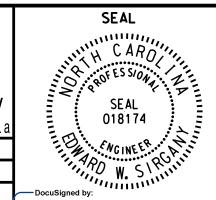
Prepared For:

Prepared in the Office of:

NC FIRM LICENSE No: P-0339

320 Executive Court Hillsborough, NC 27278 (919) 732–3883

(919) 732–6676 (FAX)



SIG. INVENTORY NO.

N/A

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REVIEWED BY: E Sirgany INIT. DATE Edward W Sirgany 1/13/2027