



		TIMINO	G CHAF	RT.		
			PH	IASE		
FEATURE	1	2	3	4	5	6
Min Green *	7	12	7	7	7	12
Walk *	_	-	-	-	-	-
Ped Clear	-	-	-	-	-	-
Veh. Extension *	2.0	6.0	1.0	1.0	2.0	6.0
Max 1 *	20	45	25	25	20	45
Yellow	3.0	4.6	4.4	3.0	3.0	4.5
Red Clear	2.6	1.3	1.2	2.1	2.3	1.3
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0
Actuations B4 Add *	_	-	-	-	-	_
Seconds /Actuation *	-	2.5	-	-	-	2.5
Max Initial *	_	43	-	-	-	34
Time Before Reduction *	_	20	-	-	-	20
Time To Reduce *	_	40	-	-	-	40
Minimum Gap	_	4.5	-	-	-	3.0
Locking Detector	_	Х	-	-	-	X
Recall Position	_	MIN RECALL	-	-	-	MIN RECALL
Dual Entry	_	-	-	-	-	-
Simultaneous Gap	Х	Х	Х	Х	Х	Х

Exit P Preen Delay Ped o Term Entra Entra Entra Entra Minir Pree Pree Exit Y Exit Re

* 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.

EV PRE	EMPT		
FUNCTION	PRE 3	PRE 5	
Phase(s)	2+5	4	
empt Override	OFF	OFF	
ay Time	0	0	
Clear Through Yellow	Ν	Ν	
ninate Phases	Ν	Ν	
ance Walk	-	_	
ance Ped Clear	-	_	
ance Min Green	1	1	
ance Yellow Change	25 . 5 *	25 . 5 *	
ance Red Clear	25.5 *	25.5 *	
imum Dwell Time	7	7	
empt Input Extension Time **	2	2	
empt Max Time	120	120	
Yellow Change	25.5 *	25 . 5 *	
Red Clear	25.5 米	25.5 米	

* Time defaults to time used for phase during normal operation ** Program Timing on GPS Detection Unit

PLANS PREPARED IN THE OFFICE OF: **Kimley»Horn** 750 N.Greenfield Pkwy, Garner, NC 27529 PREPARED BY: LL Matney NC License #F-0102 421 Fayetteville Street, Suite 600 Raleigh, NC 27601

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[ON						C-5703 Sig.62
	AMMING DELAY TIME	USE ADDED INITIAL	ТҮРЕ	SYSTEM LOOP	NEW CARD	5 Phase Fully Actuated w/ Emergency Vehicle Preemption Gastonia Signal System
-	3 15	-	N N	-	Y	
_	-	Х	N	-	Y	NOTES
- - - - - -	- 10 - - - -	- - - X - -	N N N N N N N N N N N N N N N N N N N	- - - - X X	Y Y Y Y Y Y Y	 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. The order of phase 3 and phase 4 may be reversed. Set all detector units to presence mode. Disconnect and abandon existing loops 2B and 6B. Locate new cabinet so as not to obstruct sight distance
sconn	ect & Ab	andon Ex	kist.	ing	Loop	 ITS and Signal Design Manual and submit a Plan of Record to the Signal Design Section. 8. Install new cabinet on the existing cabinet foundation. 9. All new cabinets and base extenders shall be black in color. See Project Special Provisions for details. 10. Pavement markings are existing. 11. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values. 12. Install GPS emergency preemption system per manufacturer's instructions to achieve preemption needed, as shown in phasing diagram. 13. City of system data: Controller Asset #0190.
						EEGEND PROPOSED EXISTING ○→ Traffic Signal Head ●→ Modified Signal Head N/A □ Sign □ □ Pedestrian Signal Head ●→
						EXISTING PROPOSED EXISTING O Traffic Signal Head N/A Modified Signal Head N/A Headstrian Signal Head N/A Signal Pole with Sidewalk Guy Inductive Loop Detector Signal Pole with Sidewalk Guy Inductive Loop Detector Junction Box Induction Box N/A Right of Way
						PROPOSED Fraffic Signal Head Modified Signal Head NA How Signal Pole with Pole With Signal Pole Wi
Sig	nal	Upgi	r a l	de		EXISTING PROPOSED EXISTING O Traffic Signal Head N/A Modified Signal Head N/A Headstrian Signal Head N/A Signal Pole with Sidewalk Guy Inductive Loop Detector Signal Pole with Sidewalk Guy Inductive Loop Detector Junction Box Induction Box N/A Right of Way

1″=40′

REVISIONS

SCALE

40

0

INIT. DATE

Ken Barrow

-5DC709A86BCB447.. SIGNATURE

SIG. INVENTORY NO.

3/11/2022

DATE

12-0190