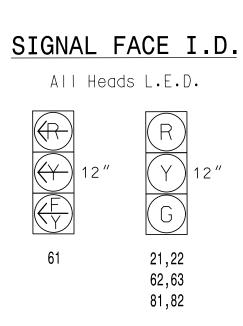


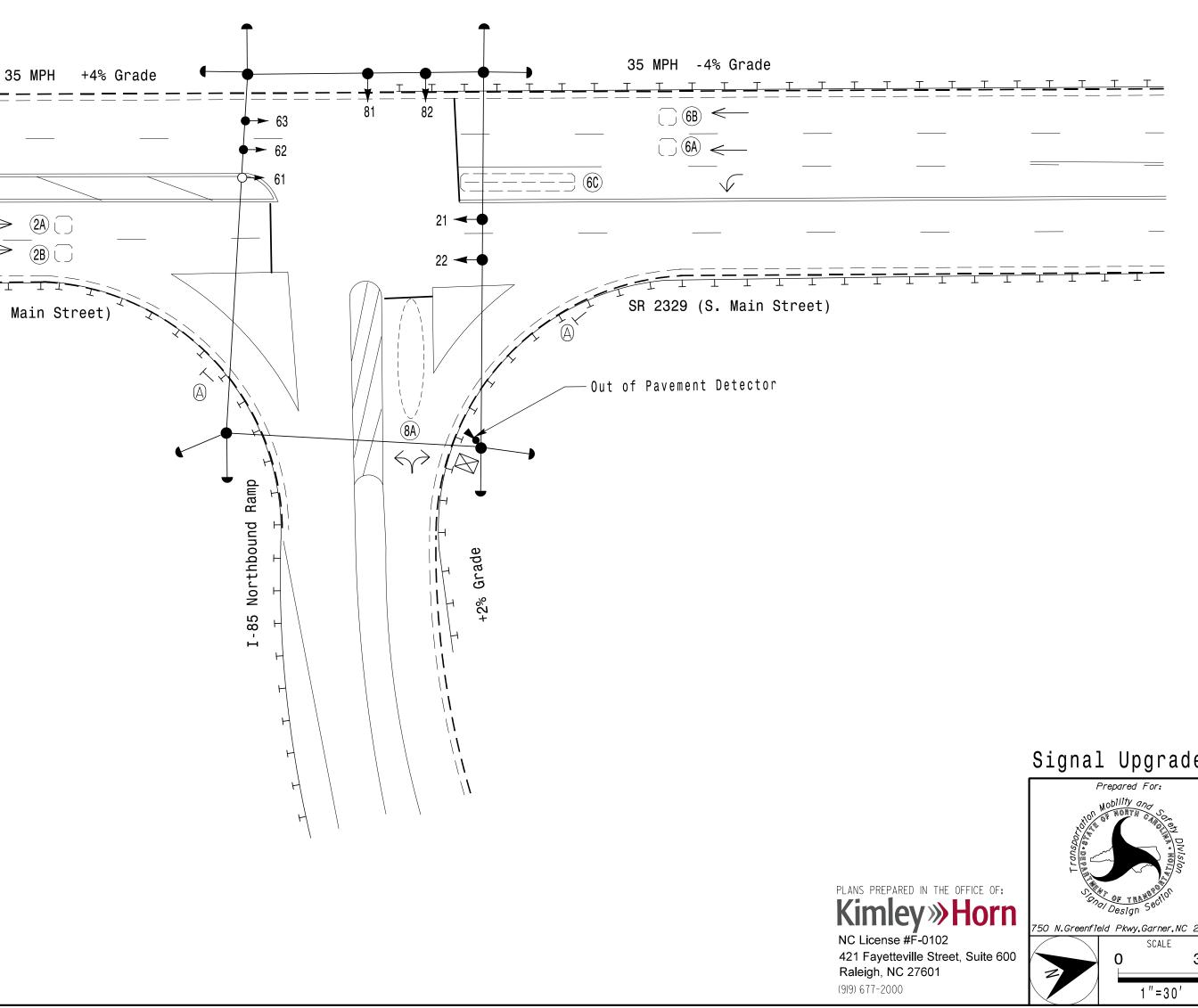
TIMING CHART					
	PHASE				
FEATURE	2	6	8		
Min Green *	10	10	7		
Walk *	-	_	_		
Ped Clear	-	_	_		
Veh. Extension *	3.0	3.0	3.0		
Max 1 *	45	45	20		
Yellow	4.1	4.1	3.0		
Red Clear	1.2	1.2	2.4		
Red Revert	2.0	2.0	2.0		
Actuations B4 Add *	-	_	_		
Seconds /Actuation *	-	-	-		
Max Initial *	-	-	_		
Time Before Reduction *	-	-	_		
Time To Reduce *	-	_	-		
Minimum Gap	_	_	-		
Locking Detector	Х	Х	_		
Recall Position	MIN RECALL	MIN RECALL	_		
Dual Entry	_	-	_		
Simultaneous Gap	Х	Х	Х		
* These values may be field adjusted. Do not adjust Min Green and					

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.



	DETECTOR INSTALLATION CHART											
	DETECTOR				PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	ТҮРЕ	SYSTEM LOOP	NEW CARD
2A	6X6	70	EXIST	-	2	Yes	-	÷	-	N	-	Х
2B	6X6	70	EXIST	-	2	Yes	-	<u>-</u>	-	N	-	Х
6A	6X6	70	EXIST	-	6	Yes	-	-	-	N	÷	Х
6B	6X6	70	EXIST	-	6	Yes	-	-	-	N	-	X
60	6X40	0	2-4-2	-	6	Yes	-	<u>+</u>	<u>-</u>	N	-	X
* 8A	N/A	0	N/A	•	8	Yes	<u>+</u>	-	÷	N	-	Х

* Microwave Detection



PROJECT REFERENCE NO.	SHEET NO.
C-5703	Sig.105.0

2 Phase Fully Actuated 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. Reposition existing signal heads numbered 62 and 63.
- 4. Set all detector units to presence mode.
- 5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 6. Remove existing "Left Turn Signal" sign-(R10-10L)
- 7. Pavement markings are existing.
- 8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
- 9. Install new cabinet on the existing cabinet foundation.
- 10. All new cabinets and base extenders shall be black in color. See Project Special Provisions for details.
- 11. Reconnect lead-in cable to separate loops 2A & 2B and 6A & 6B, as shown.
- 12. Existing signal heads 61 & 62 have been relabeled to 62 & 63, respectively.
- 13. Existing phase 4 has been changed to phase 8 on this plan. Change all signal heads, pedestrian signal heads, pedestrian push buttons, and detection zones as needed to achieve the phasing shown.
- 14. City system data: Controller Asset #1319.

LEGEND

	PROPOSED		- <u>E</u>)	<u>XISTING</u>
		Traffic Signa Modified Signc		●─► N/A
		Sign Signal Pole wi gnal Pole with S	-	
		Inductive Loop Controller & C Junction E	Detector C Cabinet	
	N/A	2-in Underground Right of V	■ 	
	N/A	Directional Guardrai Microwave Detect	-	
	\sim	Out of Pavement "YIELD" Sign		► (A)
de				DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
7		(S. Main St at	,	CARO
n ly ising	I-85 Division 12	Northbound Gaston County	Ramp _{Gastonia}	SEAL 044434
IC 27529	PLAN DATE: May 20 PREPARED BY: LL Matn	21 REVIEWED BY:	SL Phillips KP Baumann	DocuSigned by:
30	REVISIONS		INIT. DATE	Kan Barran 3/11/2022

SIG. INVENTORY NO.

DATE

12-1319

Signal Upgrade Prepared For:

SCALE

1"=30'