



Ø2+6



SIGNAL

FACE

21,22

41,42

43

51

61

62,63

PHASE

 $R \mid R \mid ($

 $\frac{F}{Y}$ R $\frac{F}{Y}$

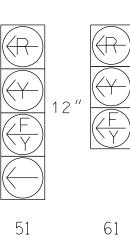
 $- \frac{F}{Y} + R + V$

R G R Y

P41,P42 | DW | DW | W | DRK |







43

41,42

62,63

P41, P42



DETECTED MOVEMENT

Ø2+5

 \checkmark

UNDETECTED MOVEMENT (OVERLAP) -----

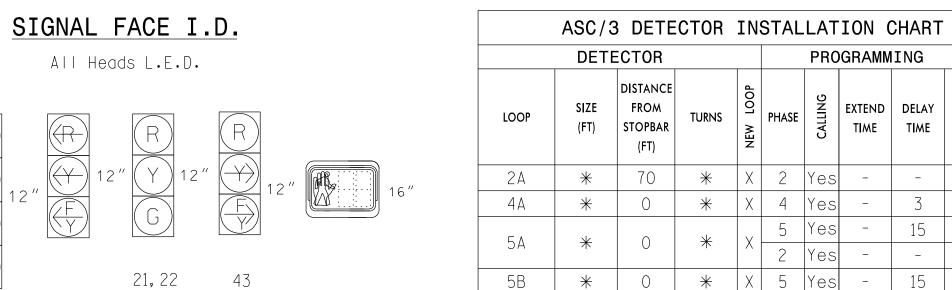
Ø4

- UNSIGNALIZED MOVEMENT \leftarrow --
- $<\!\!<\!\!-\!\!>$ PEDESTRIAN MOVEMENT

" SR 12

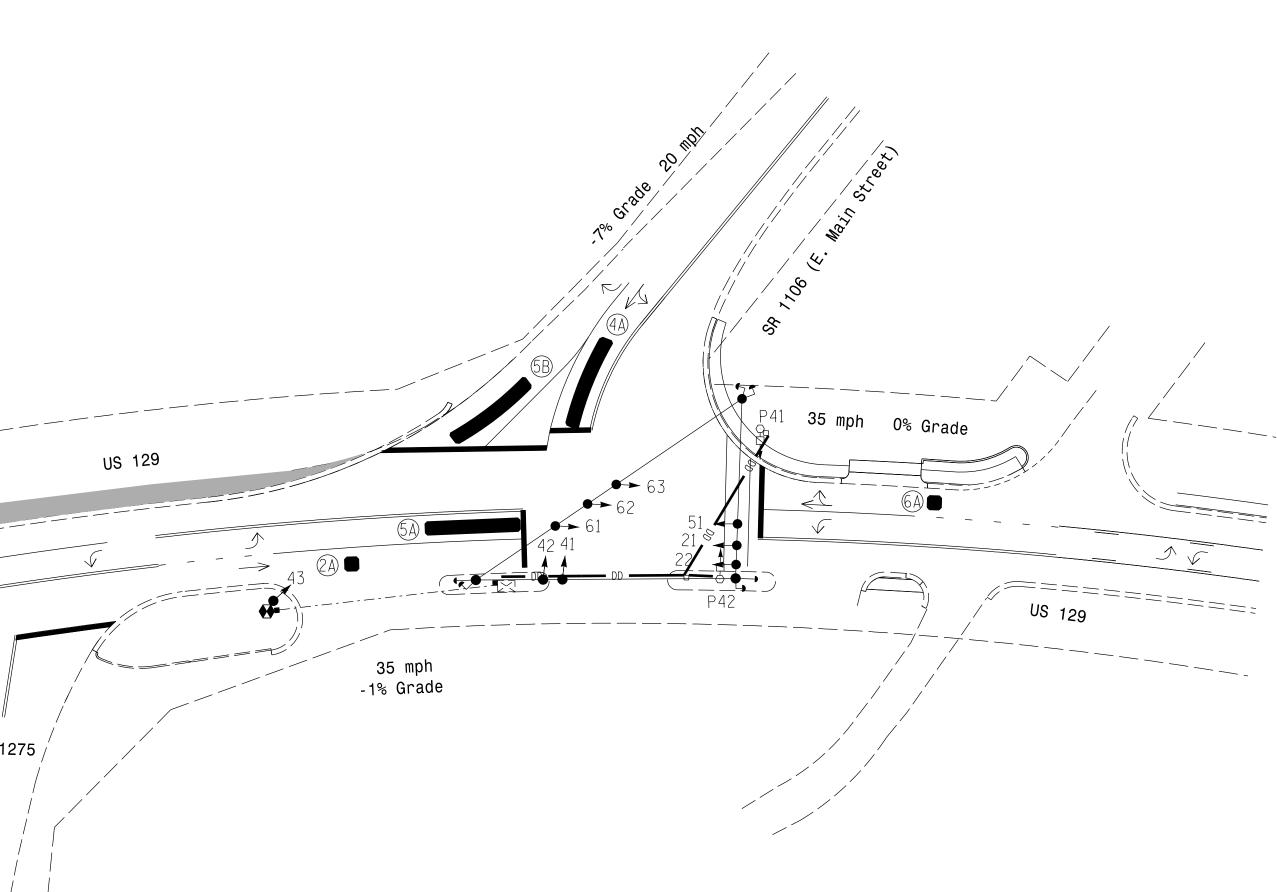
ASC/3 TIMING CHART						
	PHASE					
FEATURE	2	4	5	6		
Min Green *	10	7	7	10		
Walk *	-	7	-	-		
Ped Clear	-	13	-	-		
Veh. Extension *	3.0	2.0	2.0	3.0		
Max 1 *	40	20	15	40		
Yellow	3.9	3.2	3.0	3.9		
Red Clear	3.1	2.9	1.9	3.1		
Red Revert	2.0	2.0	2.0	2.0		
Actuations B4 Add *	-	-	-	-		
Seconds /Actuation *	-	-	-	-		
Max Initial *	-	-	-	-		
Time Before Reduction *	-	-	-	-		
Time To Reduce *	-	_	-	-		
Minimum Gap	-	_	-	-		
Locking Detector	-	-	-	-		
Recall Position	VEH RECALL	-	-	VEH RECAL		
Dual Entry	-	-	-	-		
Simultaneous Gap	Х	Х	Х	Х		

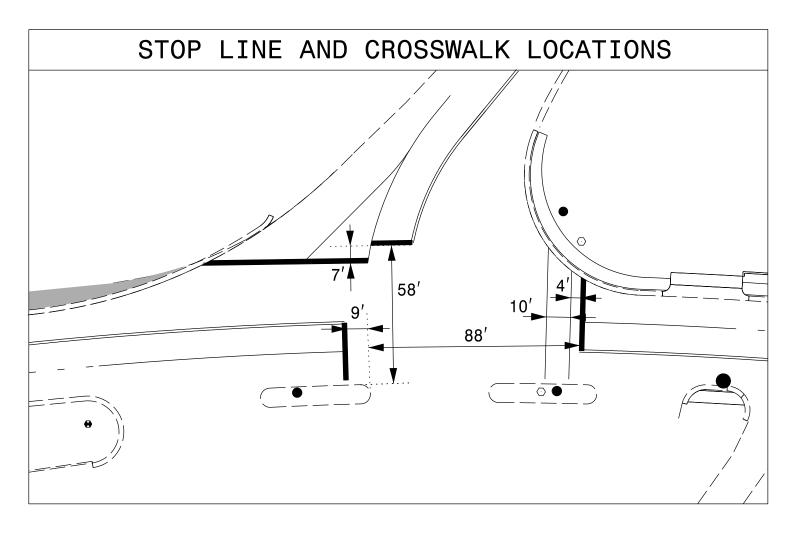
These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.



LOOP SIZE FROM (FT) STOPBAR (FT) (FT) (FT) TURNS $interpresent interval of the stopping of the$	SYSTEM LOOP	NEW CARD
2A * 70 * X 2 Yes N	-	*
4A * 0 * X 4 Yes - 3 - N	-	*
5A * 0 * X 5 Yes - 15 - N	-	*
SA * 0 * ^ 2 Yes N	-	*
5B * 0 * X 5 Yes - 15 - N	-	*
6A * 70 * X 6 Yes N	-	*

* Multizone Microwave Detection Zones





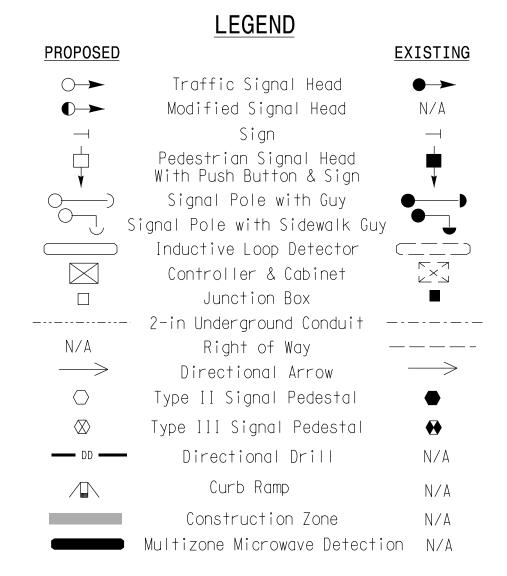




3 Phase Fully Actuated Isolated

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. Phase 5 may be lagged.
- 4. Set all detector units to presence mode.
- 5. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- 6. Program pedestrian heads to countdown the flashing 'Don't Walk' time only.
- 7. This intersection features a multizone microwave detection system. Install detectors according to manufacturer's specifications to ensure optimum detection zone coverage.
- 8. Reposition all existing signal heads.



Signal Upgrade-T	emporary Design	2 (TMP Phas	e I)	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
Prepared for the Offices of:	a SR 1106 (E.	129 t Main Street) ^{County Robbins}		SEAL CARO SEAL 033108
Design Sect	PLAN DATE: May 2022	REVIEWED BY: M. L. Sty	gles	F. FNGINEER S
750 N.Greenfield Pkwy,Garner,NC 27529	PREPARED BY: J. Ma	REVIEWED BY:		ANXINM
SCALE	REVISIONS	INIT.	DATE	DocuSignéd by:
0 40				Jianzin Ma 5/10/2022
				₩ 8751%539814#F DATE
1 "=40'				SIG. INVENTORY NO. 14-0751T2