

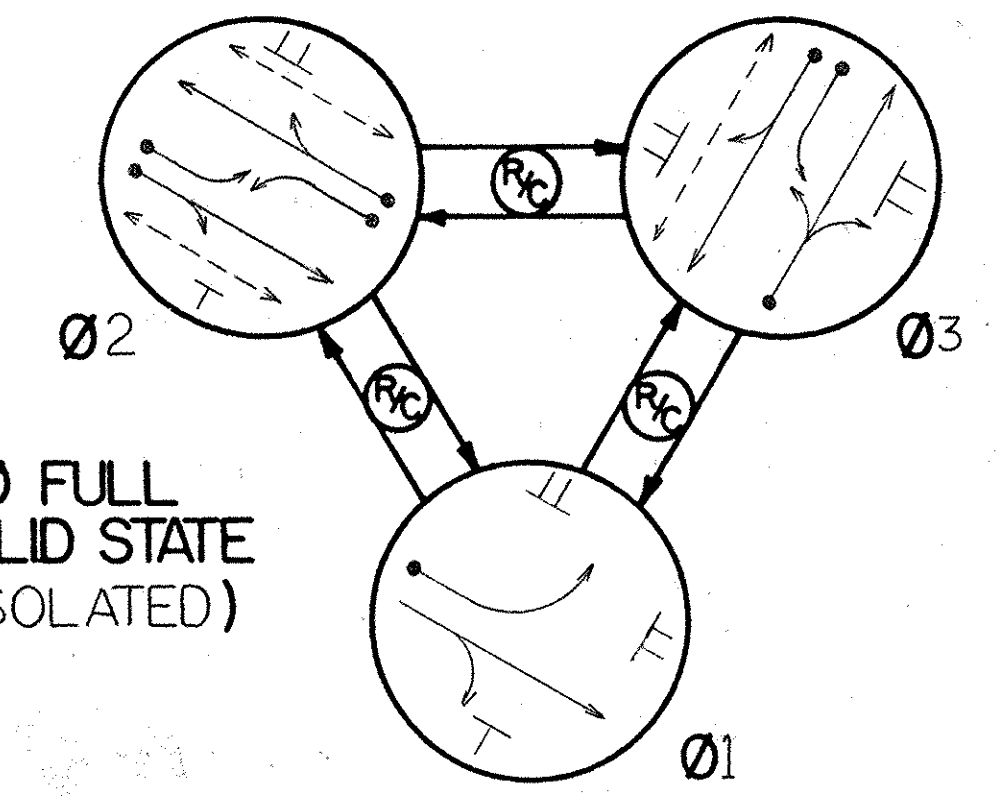
LOOP INSTALLATION CHART

LOOP NO.	SIZE	TURNS	DIST FROM STOP BAR	FUNCTION	ATT. TO AMP. NO.	SPECIAL FEATURE
1	6' X 60'	1	5' BEYOND (EXIST.)	Ø2		
2	6' X 60'	1	5' BEYOND (EXIST.)	Ø2		
3	6' X 60'	1	5' BEYOND (EXIST.)	Ø2		
4	6' X 60'	1	5' BEYOND (EXIST.)	Ø2		
5	6' X 60'	1	10' BEYOND (EXIST.)	Ø3		
6	6' X 60'	1	10' BEYOND (EXIST.)	Ø3		
7	6' X 70'	1	5' BEYOND (EXIST.)	Ø3		
8	6' X 15'	2	Ø5' BACK (EXIST.)	Ø1		CALL DELAY

TIMING CHART

PHASE	Ø2	Ø3	Ø1
INITIAL INTERVAL	7 SEC	7 SEC	7 SEC
VEHICLE INTERVAL	0 SEC	0 SEC	3 SEC
YELLOW CLEARANCE	4 SEC	4 SEC	4 SEC
RED CLEARANCE	1.2 SEC	1 SEC	1 SEC
MAXIMUM INTERVAL	40 SEC	17 SEC	17 SEC
MEMORY POSITION	RECALL	NON-LOCK	NON-LOCK
STRETCH TIME			
CALL DELAY	N/A	N/A	3 SEC
WALK	7 SEC	7 SEC	N/A
FLASHING DON'T WALK	8 SEC	9 SEC	N/A

PHASING DIAGRAM

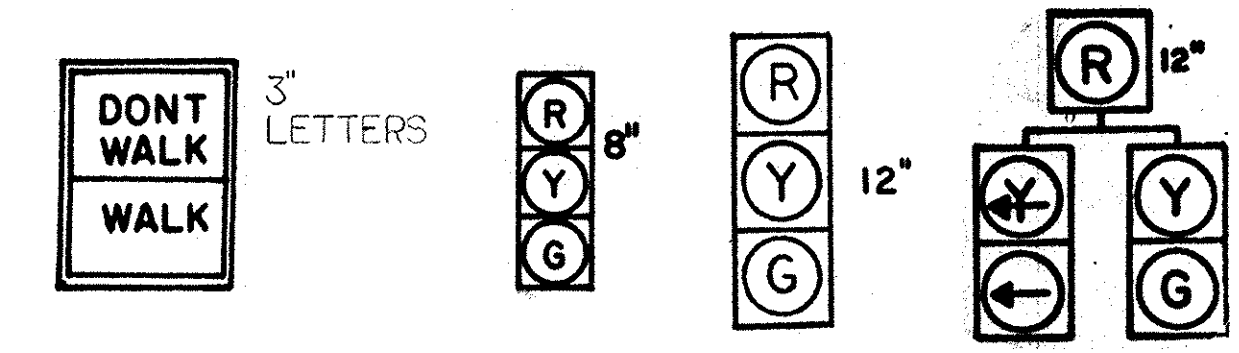


3Ø FULL SOLID STATE (ISOLATED)

LEGEND

- NEW SIGNAL HEAD
- EXISTING SIGNAL HEAD
- NEW POLE AND GUY
- EXISTING POLE
- NEW LOOP DETECTOR
- EXISTING LOOP DETECTOR
- CONTROLLER
- INTERCONNECT CABLE
- MODIFIED SIGNAL HEAD
- PEDESTRIAN SIGNAL HEADS
- "PUSH BUTTON FOR WALK SIGNAL" SIGN (R10.4)

SIGNAL HEADS

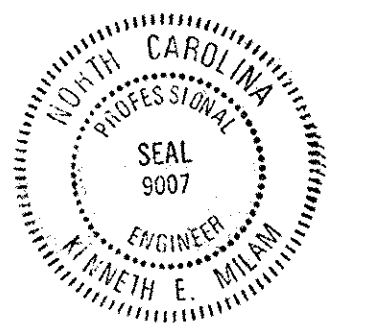


P1, P11, P2, P22, P3, P33 3, 33, 4, 44 1, 2, 22 11

SIGNAL HEADS	Ø2						Ø3						Ø1						FLASH	
	CLEAR																			
	R	W	Ø3	Ø1	R	W	Ø2	Ø1	R	W	Ø2	Ø3								
I	G	G	Y	R	G	G	G	R	R	R	R	R	R	R	G	G	G	Y	R	Y
II	G	G	Y	R	G	G	G	R	R	R	R	R	R	R	G	G	G	Y	R	Y
2, 22	G	G	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	Y
3, 33	R	R	R	R	R	R	R	G	G	Y	R	G	Y	R	R	R	R	R	R	R
4, 44	R	R	R	R	R	R	R	G	G	Y	R	G	Y	R	R	R	R	R	R	R
P1, P11, P3, P33	W	FDW	DW	DW	FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DARK
P2, P22	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	DW	FDW	DW	DW	DW	DW	DW	DW	DW	DARK

NOTES

- SIGNAL UPGRADE.
- NEW POLES TO BE LOCATED A MINIMUM OF 6 FT. BEHIND FACE OF CURB AND OR 10 FT. FROM EDGE OF PAVEMENT.
- CABINET TO BE PLACED SO AS NOT TO OBSTRUCT SIGHT DISTANCE OF VEHICLES TURNING RIGHT.
- PAVEMENT MARKINGS ARE EXISTING.



N. C. DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
Approved Date: 8/23/89
K. E. Milam
Traffic Engineering Branch

SR 1750 (ESTES DR.) & CASWELL RD.
DIV. 7 ORANGE CO. CHAPEL HILL

SCALE 1" = 30'	N. C. DEPARTMENT OF TRANSPORTATION	REVISIONS
DATE 8-89	DIVISION OF HIGHWAYS	Loggins to 8-7-89
DWG. BY RCA	TRAFFIC ENGINEERING BRANCH	SLK
DESIGN BY		
APPROVED		S/G INV. NO. 07-219