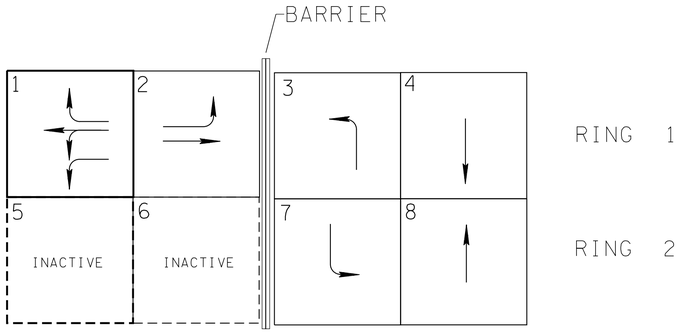
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	PHSIP-345(11)	13A

S.R. 345 CLAIBORNE CO.
13061-3206-94



NEMA EIGHT PHASE DESIGNATIONS

ACTIVE PHASE

INACTIVE PHASE (NOT USED)

- OPERATION IS DUAL ENTRY MODE, FULL SKIP CAPABILITY
- SINGLE DIRECTION, LAGGING LEFT TURN PHASES ARE NOT ALLOWED
- ALL SIGNAL DISPLAYS AND CLEARANCES SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

BASIC OR SEMI - ACTUATED TIMING (SECS)

PHASE	INITIAL INTERVAL	VEHICLE INTERVAL	MAX I	MAX II	CLEARANCE		PEDESTRIAN		RECALL TO	MEMORY POSITION (1)	LEFT TURN OPERATION (2)
					YELLOW	ALL RED	WALK	FLASHING DONT WALK			
2	6.0	1.5	7.5	---	4.0	2.5				L	PROT
7	6.0	1.5	10.0	---	4.5	2.5				NL	P+P

				---							

(1) NL = NONLOCK
L = LOCK

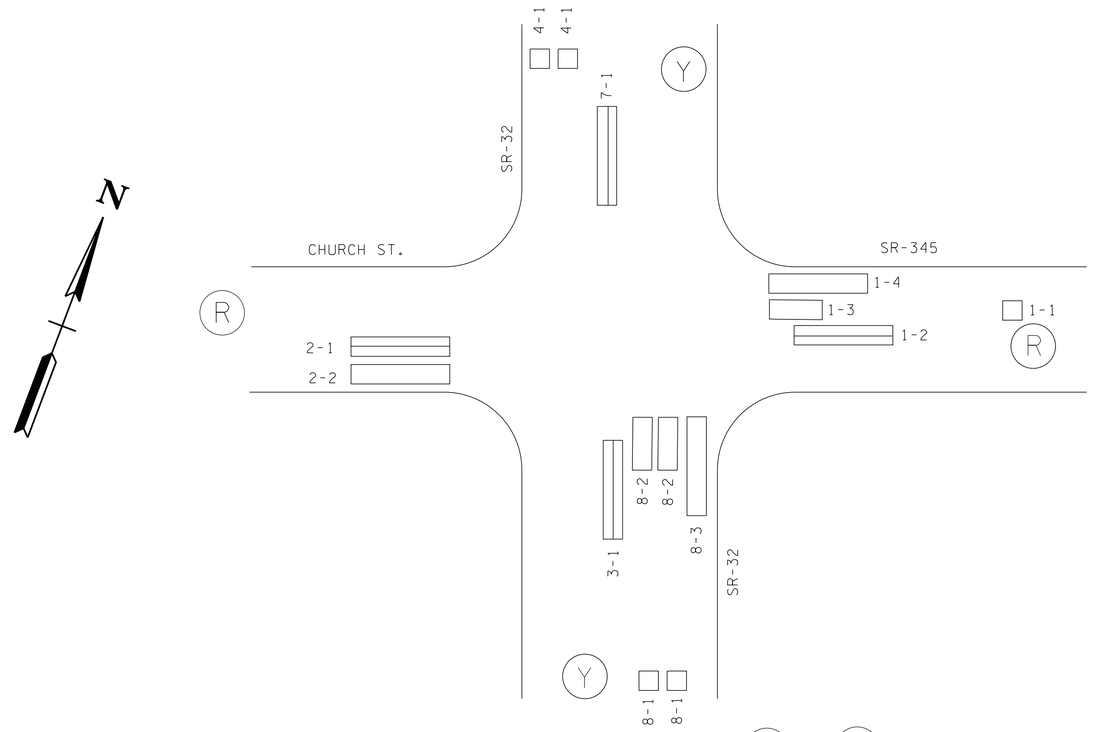
(2) PERM = PERMITTED
PROT = PROTECTED
P + P = PROT/PERM

VOLUME - DENSITY TIMING (SECS)

PHASE	INITIAL INTERVAL	ADDED INITIAL PER ACTUATION	PASSAGE TIME	MINIMUM GAP	TIME BEFORE REDUCTION	TIME TO REDUCE	MAX I	MAX II	CLEARANCE		PEDESTRIAN		RECALL TO	MEMORY POSITION (1)
									YELLOW	ALL RED	WALK	FLASHING DONT WALK		
1	10	2.4	4.0	4.0	10.0	15.0	10.5		4.0	2.5				L
4	15	2.3	4.7	4.7	15.0	23.0	62.0		4.5	2.5				L
8	15	2.3	4.7	4.7	15.0	23.0	45.0		4.5	2.5				L

THESE TIMINGS ARE INITIAL AND MAY BE ADJUSTED BY THE CONTRACTOR BASED ON FIELD OBSERVATIONS TO PROVIDE EFFICIENT OPERATION.

DETECTION LOOP DIAGRAM



FLASHING OPERATION (Y) OR (R)

DETECTION LOOP NUMBERING

LOOP AND AMP ASSIGNMENTS

	LOOP #	VEHICLE DETECT #	LOOP LENGTH	AMP MODE	AMP. FEATURE TIMING(SEC)	ASSOC. Ø
	1-1	1	1@6X6	PULSE		1
*	1-2	1	1@6X50	PRES.		1
	1-3	1	1@6X20	PRES.		1
	1-4	1	1@6X50	PRES.	5 SEC DELAY	1
*	2-1	2	1@6X50	PRES.		2
	2-2	2	1@6X50	PRES.		2
*	3-1	3	1@6X50	PRES.		3
	4-1	2	2@6X6	PULSE		4
*	7-1	2	1@6X50	PRES.		7
	8-1	3	2@6X6	PULSE		8
	8-2	3	2@6X20	PRES.		8
	8-3	3	1@6X50	PRES.	5 SEC DELAY	8

*QUADRAPOLES

- ALL LOOPS ARE 6' IN WIDTH, CENTERED IN TRAFFIC LANE .
- LOOP WIRE CONNECTIONS SHALL BE WIRED TO PROVIDE THE APPROPRIATE INDUCTANCE AS REQUIRED BY STD. DWG. T-SG-3.

INTERSECTION OF SR-345/CHURCH ST. AND SR-32 (US-25E)

SEALED BY

06/18/2014

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PHASING, TIMING, DETECTOR ASSIGNMENT

EIGHT PHASE

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