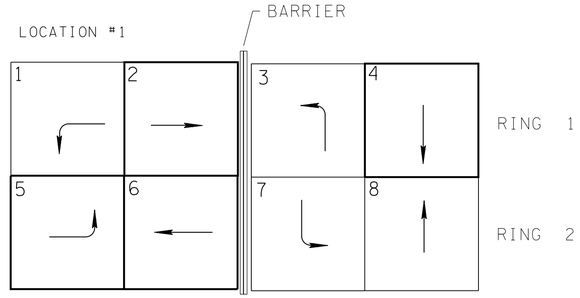
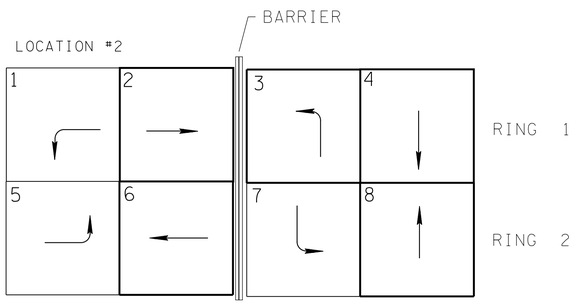
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	HSIP-I-65-2(97)	11B

THE CONTRACTOR SHALL CONTACT ROBBIE ALLEN WITH THE CITY OF BRENTWOOD AT (615) 371-0080 A MINIMUM OF THRITY (30) DAYS PRIOR TO ACTIVATION OF THE SIGNALS TO OBTAIN THE INITIAL SIGNAL TIMINGS.





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			
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

(1) NL = NONLOCK
L = LOCK

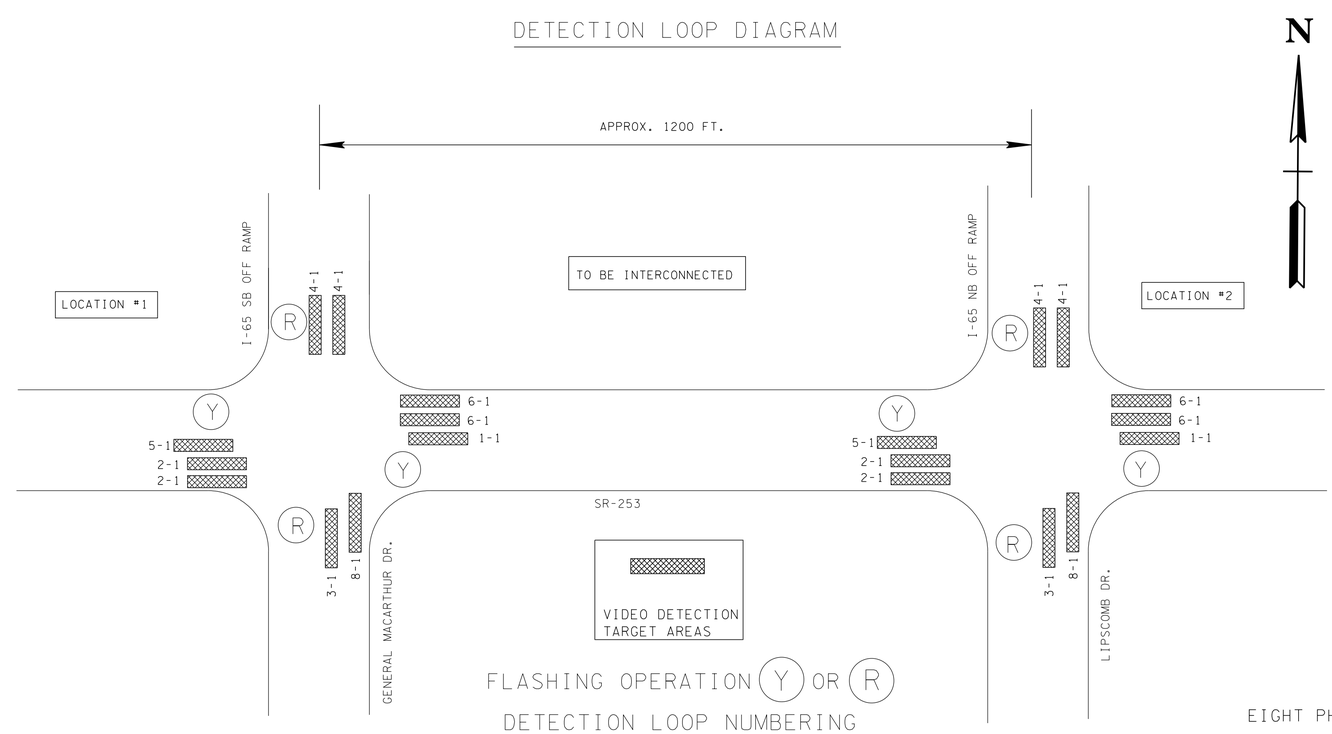
(2) PERM = PERMITTED
PROT = PROTECTED
P + P = PROT/PERM

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		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

DETECTION LOOP DIAGRAM



EIGHT PHASE

VIDEO DETECTOR TARGET ASSIGNMENT

	TARGET AREA #	CAMERA #	TARGET AREA (FT)	ASSOC. Ø	COMMENTS
LOCATION #1	1-1	C2	1@6x50	1	
	6-1	C2	2@6x50	6	
	2-1	C1	2@6x50	2	
	5-1	C1	1@6x50	5	
	4-1	C3	2@6x50	4	
	3-1	C4	1@6x50	3	
	8-1	C4	1@6x50	8	5 SEC DELAY
LOCATION #2	1-1	C2	1@6x50	1	
	6-1	C2	2@6x50	6	
	2-1	C1	2@6x50	2	
	5-1	C1	1@6x50	5	
	4-1	C3	2@6x50	4	
	3-1	C4	1@6x50	3	
	8-1	C4	1@6x50	8	5 SEC DELAY

INTERSECTION OF
I-65 OFF RAMPS/SR-253
(CONCORD RD)

SEALED BY

01/22/2014

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PHASING, TIMING, DETECTOR ASSIGNMENT

01/22/2014 3:24:31PM
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