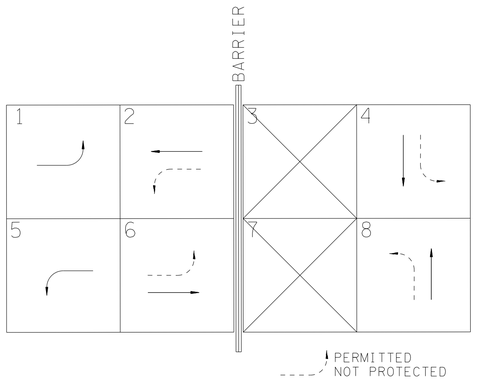
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	NHTSA-HE-2(225)	6

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



EIGHT PHASE DESIGNATIONS

PHASING NOTES

(1) MIN RECALL: Ø2,Ø6
(2) PROTECTED/PERMITTED LEFT TURN: Ø1, Ø5
(3) 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 (AM)	MAX I (PM)	CLEARANCE		PEDESTRIAN		RECALL TO	MEMORY POSITION (1)	LEFT TURN OPERATION (2)
					YELLOW	ALL RED	WALK	FLASHING DON'T WALK			
1	6.0	3.0	12.0	12.0	3.0	2.5	–	–	–	NL	P/P
2	20.0	3.0	27.0	27.0	3.5	2.5	–	–	MIN.	–	–
3	–	–	–	–	–	–	–	–	–	–	–
4	10.0	3.0	26.0	26.0	3.5	2.0	–	–	–	L	–
5	6.0	3.0	12.0	12.0	3.0	2.5	–	–	–	NL	P/P
6	20.0	3.0	27.0	27.0	3.5	2.5	–	–	MIN.	–	–
7	–	–	–	–	–	–	–	–	–	–	–
8	10.0	3.0	26.0	26.0	3.5	2.0	–	–	–	L	–

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

(1)NL = NON LOCK
L = LOCK

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

LOOP AND AMP ASSIGNMENT CHART

LOOP NO.	SIZE	PHASE	MODE	DISTANCE FROM STOP BAR	NUMBER OF TURNS
1-1	6'X50'	1	PRESENCE	-4'	2-4-2
4-1	6'X50'	4	PRESENCE	-4'	2-4-2
5-1	6'X50'	5	PRESENCE	-4'	2-4-2
8-1	6'X50'	8	PRESENCE	-4'	2-4-2

LOOP DETECTOR NOTES

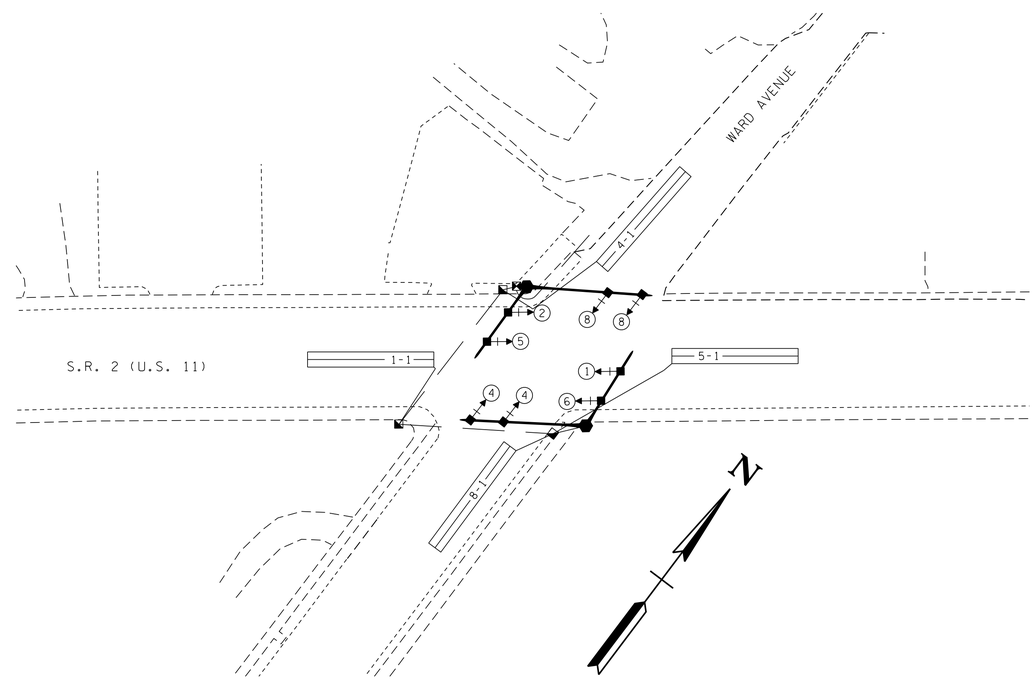
(1) ALL LOOPS ARE 6' IN WIDTH CENTERED IN TRAFFIC LANE. ALL 6'X50' LOOPS HAVE 2 TURNS, UNLESS OTHERWISE NOTED.

(2) ALL 6'X50' LOOPS SHALL BE QUADRUPOLE, UNLESS OTHERWISE NOTED.

(3) LOOP WIRE CONNECTIONS SHALL BE WIRED TO PROVIDE THE APPROPRIATE INDUCTANCE AS REQUIRED BY STD. DWG. T-SG-3.

DETECTION LOOP NUMBERING

N.T.S.



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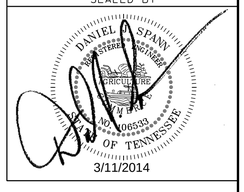

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNAL DETAILS

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