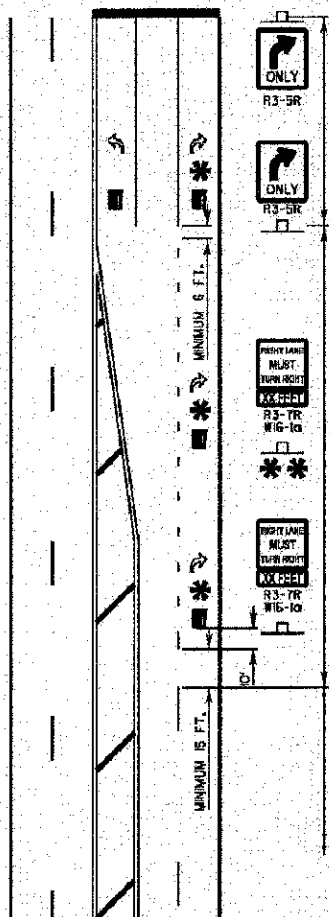
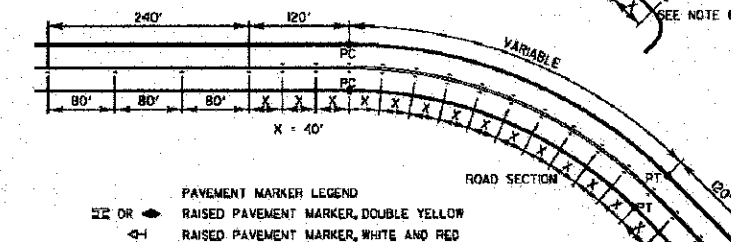
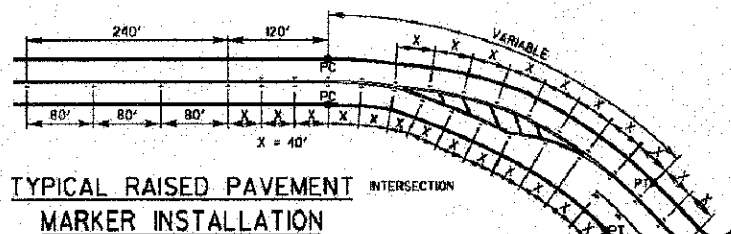


THRU LANE TO TURN LANE CONVERSION

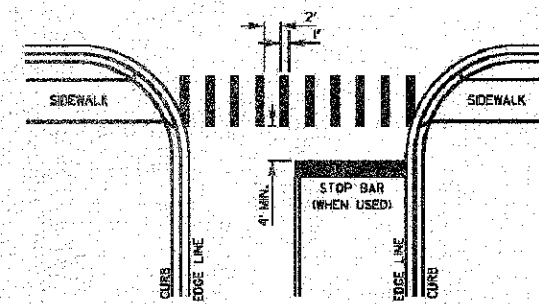


TYPICAL PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS



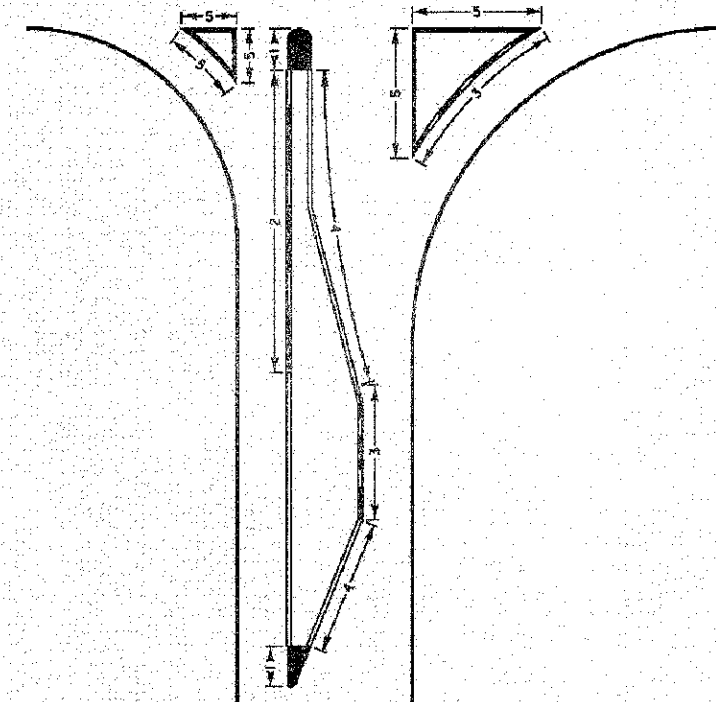
- NOTES:
1. CENTERLINE RAISED PAVEMENT MARKERS (RPM's) SHALL BE PLACED ON ALL CURVES OVER 3 1/2 DEGREES ON ALL TWO AND THREE LANE HIGHWAYS, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
 2. SPACING - 40' FOR CENTERLINE MARKERS.
 3. ALL RPM's ON CENTERLINE ARE 2-WAY YELLOW. LANE LINE MARKERS ARE WHITE/RED.
 4. MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH F.H.W.A. MEMORANDUM NO. 24.
 5. MARKERS SHALL BE FIELD ADJUSTED TO BE LOCATED IN CENTER OF THE 30' OAP OF A 30' 10' SKIP/DASH CENTERLINE.
 6. RPM's WHICH ARE TO BE LOCATED WITHIN THE INTERSECTION OF A CROSS STREET, SHALL NOT BE INSTALLED.
 7. A MINIMUM OF 4 WHITE/RED MARKERS SHALL BE INSTALLED ALONG THE TURN LANE LINE.
 8. RPM's INSTALLED ON MULTI-LANE ROAD SECTIONS SHALL BE INSTALLED ON THE WHITE SKIP-DASH LANE LINE ONLY. THESE RPM's SHALL BE INSTALLED IN PAIRS AND SHALL BE 80' CENTER TO CENTER. SPACING WITHIN EACH PAIR SHALL BE 10', CENTERED WITHIN THE 30' SKIP.

CROSSWALKS

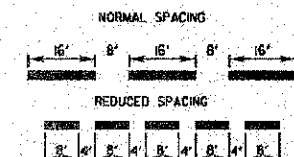


1. WIDTH OF THE CROSSWALK IS GENERALLY 6' EXCEPT AT SCHOOL CROSSINGS AND BICYCLE CROSSINGS, WHICH CAN BE 8'.
2. THE STOP BAR SHOULD BE INSTALLED A MINIMUM OF 4' IN ADVANCE OF THE CROSSWALK.

CURB MARKING



- NOTES:
1. PAINT CURB AND NOSE SOLID FOR 10' OR RADIUS OF NOSE, WHICHEVER IS GREATER.
 2. PAINT MINIMUM OF 3 STRIPES IN DIRECTION OF TRAFFIC.
 3. REDUCED SPACING USED TO OBTAIN 3 STRIPE MINIMUM.
 4. STRIPING RECOMMENDED ONLY WHERE OPERATIONAL PROBLEMS DICTATE.
 5. PAINT SOLID WHERE A MINIMUM OF 3 STRIPES CANNOT BE PLACED.



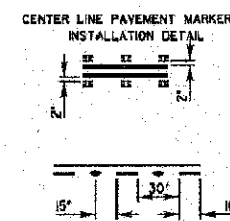
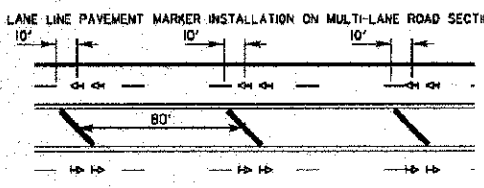
MINIMUM TRANSITION ZONE LENGTH

POSTED SPEED	LENGTH
25 M.P.H.	125 FT.
30 M.P.H.	150 FT.
35 M.P.H.	175 FT.
40 M.P.H.	200 FT.
45 M.P.H.	225 FT.
50 M.P.H.	250 FT.
55 M.P.H.	275 FT.

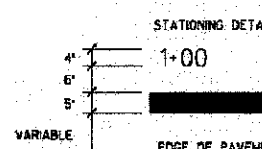
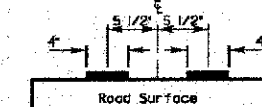
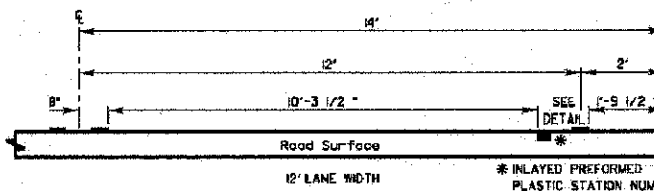
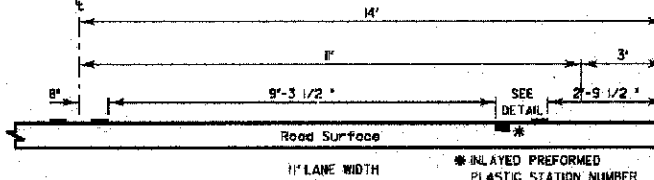
* LOCATION OF PAV'T MARKINGS

POSTED SPEED	LOCATION OF PAV'T MARKINGS
25 M.P.H.	10 FT., 250 FT.
30 M.P.H.	10 FT., 170 FT., 340 FT.
35 M.P.H.	10 FT., 210 FT., 410 FT.
40 M.P.H.	10 FT., 170 FT., 330 FT., 490 FT.
45 M.P.H.	10 FT., 190 FT., 370 FT., 560 FT.
50 M.P.H.	10 FT., 170 FT., 330 FT., 490 FT., 640 FT.
55 M.P.H.	10 FT., 180 FT., 350 FT., 520 FT., 710 FT.

FOR POSTED SPEEDS 40 M.P.H. OR GREATER A SECOND R3-7/W16-1a SIGN INSTALLATION SHALL BE LOCATED HALFWAY BETWEEN THE BEGINNING OF THE TRANSITION ZONE AND THE BEGINNING OF THE TURN LANE.



PAVEMENT CROSS SECTION SHOWING TYPICAL PAVEMENT MARKINGS (2-LANE ROADWAY)



Note: Centerline markings are 4' lines at 1' centers.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE OF 2 LANE PAVEMENT	4 IN.	SKIP-DASH	YELLOW	10 FT. LINE WITH 30 FT. SPACE
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 IN. 2 @ 4 IN.	SOLID SOLID	YELLOW YELLOW	5 1/2 IN. CC FROM SKIP-DASH CENTERLINE 11 IN. CC WHITE SKIP-DASH CENTERLINE BETWEEN
CENTERLINE ON MULTI-LANE UNDIVIDED LANE LINES	4 IN.	SKIP-DASH	YELLOW	11 IN. CC
DOTTED LINES (EXTENSIONS OF CENTERLINE OR TURN LANE MARKINGS)	4 IN.	SKIP-DASH	WHITE	10 FT. LINE WITH 30 FT. SPACE
EDGE LINES	5 IN. WHITE 4 IN. YELLOW	SOLID	WHITE - RIGHT YELLOW - LEFT	OUTLINE RAISED MEDIAN IN YELLOW TURN ARROW 156 SOFT. STRAIGHT ARROW 115 SOFT. ONLY FOR 50' COBBLERMAN 250 SOFT.
TURN LANE MARKINGS	6 IN. LINE FULL SIZE LETTERS AND SYMBOLS (5 FT.)	SOLID	WHITE	10 FT. LINE WITH 30 FT. SPACE FOR SKIP-DASH 5 1/2 IN. CC BETWEEN SKIP-DASH LINE AND SOLID LINE
TWO WAY LEFT TURN MARKING	2 @ 4 IN. EACH DIRECTION 8 FT. LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	SEE TYPICAL TWO WAY LEFT TURN MARKING DETAIL
CROSSWALK	12 IN. @ 90°	SOLID	WHITE	12 IN. LONGITUDINAL BAR WITH 24 IN. SPACE 6 FT. TO 12 FT. WIDE SEE TYPICAL CROSSWALK MARKING DETAIL
STOP BARS	24 IN.	SOLID	WHITE	PLACE 4 FT. IN ADVANCE OF AND PARALLEL TO CROSSWALK IF PRESENT OTHERWISE PLACE AT DESIRED STOPPING POINT.
PAINTED MEDIAN	2 @ 4 IN. WITH 1/4 IN. DIAGONALS @ 45° NO DIAGONALS USED FOR 4 FT. WIDE MEDIAN	SOLID	YELLOW - 2-WAY TRAFFIC WHITE - 1-WAY TRAFFIC	11 IN. CC FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING DETAIL MINIMUM OF 5 DIAGONALS
CORE MARKING AND CHANNELIZING LINES	8 IN. WITH 1/4 IN. DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS IS 11 IN. CC LESS THAN 30 M.P.H. 30 FT. CC (30 TO 45 M.P.H.) 30 FT. CC OVER 45 M.P.H. MINIMUM OF 5 DIAGONALS
PAY CROSSING	24 IN. TRANSVERSE LINES 18 IN. @ 5 FT. LETTER 16 IN. LINE FOR "X"	SOLID	WHITE	SEE 100' STATIONING DETAIL AREA OF 17' x 16 SOFT. 17' x 16 SOFT. 17' x 16 SOFT.
SHOULDER DIAGONALS	12 IN. @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50 FT. CC LESS THAN 30 M.P.H. 75 FT. CC (30 TO 45 M.P.H.) 100 FT. CC OVER 45 M.P.H. MINIMUM OF 5 DIAGONALS

FOR FURTHER DETAILS OF PAVEMENT MARKING REFER TO PART 11 MARKINGS IN THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND LOAD-HIGHWAY STANDARD 78000 EFFECTIVE JAN. 1998.

NO.	DESCRIPTION	DATE	BY	SURVEYOR
1	DESIGN	5/29/2012	DAN STRAHAN	1
2	DESIGN	5/29/2012	DAN STRAHAN	1
3	DESIGN	5/29/2012	DAN STRAHAN	1



LAKE COUNTY STANDARDS & DETAILS

APPROVED BY: A. KHAWAJA DATE: APRIL 1, 2007

TYPICAL PAVEMENT MARKINGS FOR COUNTY HIGHWAYS

SHEET 2 OF 2

CHXX XXX XX-XXXX-XX-XX XXX XXX