

TYPICAL PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS

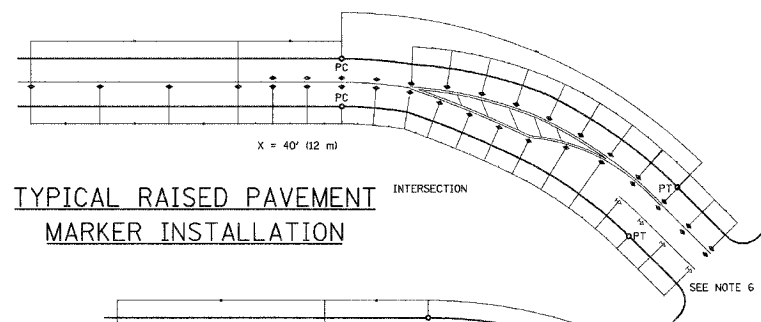
ROUTE NO.	SECTION	COUNTY	SHEET	TOTAL SHEETS
C.H. 14	99-00076 -11-BR	LAKE	66	19
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO: 83763

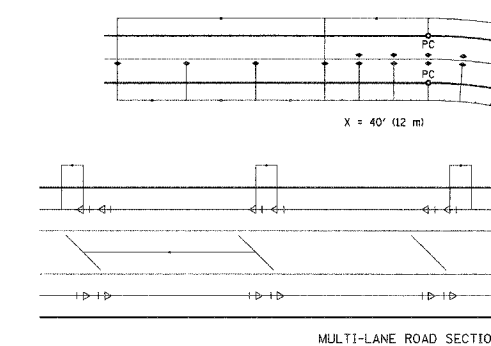
CROSSWALKS

TYPICAL CROSSWALK INSTALLATION
ALL LOCATIONS EXCEPT
SIGNALIZED INTERSECTIONS
WITH VIDEO DETECTION

TYPICAL CROSSWALK INSTALLATION
FOR SIGNALIZED INTERSECTIONS WITH VIDEO DETECTION



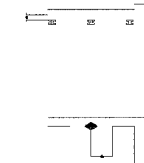
TYPICAL RAISED PAVEMENT MARKER INSTALLATION



NOTES:

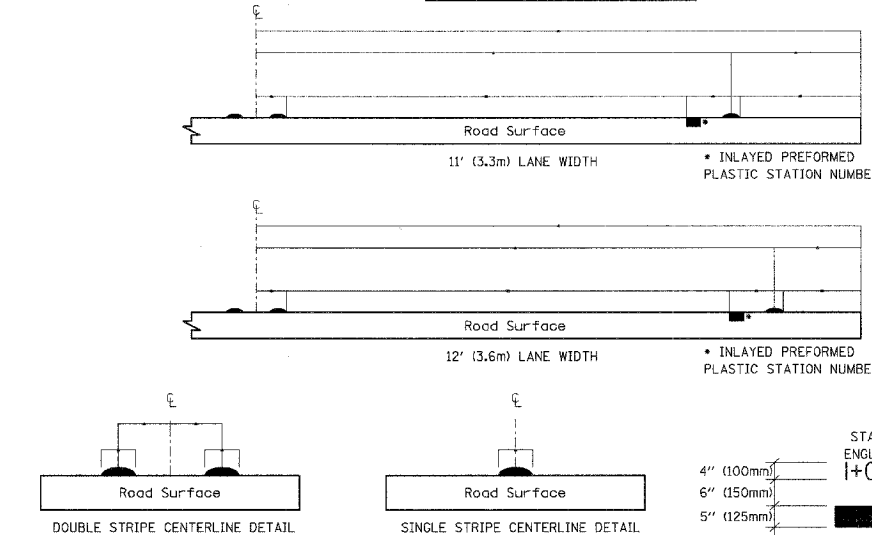
- SPACING = 40' (12 m) FOR CENTERLINE MARKERS.
- ALL RAISED PAVEMENT MARKERS ON CENTERLINE ARE 2-WAY YELLOW. LANE LINE MARKERS ARE WHITE/RED.
- MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH F.H.W.A. MEMORANDUM H10-21.
- MARKERS SHALL BE FIELD ADJUSTED TO BE LOCATED IN CENTER OF THE 30' (9 m) GAP OF A 30'/10' (9 m/3 m) SKIP/DASH CENTERLINE.
- PAVEMENT MARKERS WHICH ARE TO BE LOCATED WITHIN THE INTERSECTION OF A CROSS STREET, SHALL NOT BE INSTALLED.
- A MINIMUM OF 4 WHITE/RED MARKERS SHALL BE INSTALLED ALONG THE TURN LANE LINE.
- PAVEMENT MARKER PAIRS ON MULTI-LANE ROAD SECTIONS SHALL BE 80' (24 m) CENTER TO CENTER. SPACING WITHIN EACH PAIR SHALL BE 10', CENTERED WITHIN THE 30' (9 m) SKIP.

CENTER LINE PAVEMENT MARKER INSTALLATION DETAIL



PAVEMENT MARKER LEGEND
 = OR ◆ RAISED PAVEMENT MARKER, DOUBLE YELLOW
 <-> RAISED PAVEMENT MARKER, WHITE AND RED

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



Note:
Centerline markings are 4" (100mm) lines at 12" (300mm) centers.
[Thermoplastic centerline markings are 4" (100mm) lines at 1' (275mm) centers.]

PAVEMENT MARKING GUIDELINES - ENGLISH MEASUREMENTS				
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	6 IN. C-C FROM SKIP-DASH CENTERLINE 12 IN. C-C (OMIT SKIP-DASH CENTERLINE BETWEEN)
CENTERLINE ON MULTI-LANE UNDIVIDED	2 @ 4 IN.	SOLID	YELLOW	12 IN. C-C
LANE LINES	4 IN.	SKIP-DASH	WHITE	10 FT. LINE WITH 30 FT. SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2 FT. LINE WITH 6 FT. SPACE
EDGE LINES	5 IN. WHITE 4 IN. YELLOW	SOLID	WHITE - RIGHT YELLOW - LEFT	OUTLINE RAISED MEDIANS IN YELLOW
TURN LANE MARKINGS	6 IN. LINE FULL SIZE LETTERS AND SYMBOLS (8 FT.)	SOLID	WHITE	TURN ARROW 156 SQ. FT. STRAIGHT ARROW 115 SQ. FT. ONLY 208 SQ. FT. COMB. ARROW 260 SQ. FT.
TWO WAY LEFT TURN MARKING	2 @ 4 IN. EACH DIRECTION 8 FT. LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10 FT. LINE WITH 30 FT. SPACE FOR SKIP-DASH 5 IN. C-C BETWEEN SKIP-DASH LINE AND SOLID LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK	12 IN. @ 90°	SOLID	WHITE	12 IN. LONGITUDINAL BAR WITH 24/36 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 MEDIANS	2 @ 4 IN. WITH 12 IN. DIAGONALS @ 45° NO DIAGONALS USED FOR 4 FT. WIDE MEDIAN	SOLID	YELLOW - 2-WAY TRAFFIC WHITE - 1-WAY TRAFFIC	12 IN. C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING DETAIL MINIMUM OF 5 DIAGONALS
GORE MARKING AND CHANNELIZING LINES	8 IN. WITH 12 IN. DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS 15 FT. C-C (LESS THAN 30 MPH) 20 FT. C-C (30 TO 45 MPH) 30 FT. C-C (OVER 45 MPH) MINIMUM OF 5 DIAGONALS
R.R. CROSSING	24 IN. TRANSVERSE LINES RR IS 6 FT. LETTER 16 IN. LINE FOR "X"	SOLID	WHITE	SEE IDOT-STD.78000 SQ. FT. AREA OF: "R" = 30 SQ. FT. / "R" "X" = 540 SQ. FT.
SHOULDER DIAGONALS	12 IN. @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50 FT. C-C (LESS THAN 30 MPH) 75 FT. C-C (30 TO 45 MPH) 150 FT. C-C (OVER 45 MPH) MINIMUM OF 5 DIAGONALS

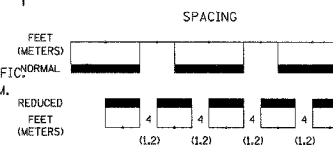
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO PART III "MARKINGS" IN THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND IDOT-HIGHWAY STANDARD 78000 EFFECTIVE JAN. 9, 1998.

PAVEMENT MARKING GUIDELINES - METRIC MEASUREMENTS				
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE OF 2 LANE PAVEMENT	100 mm	SKIP-DASH	YELLOW	3 m LINE WITH 9 m SPACE
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	100 mm 2 @ 100 mm	SOLID SOLID	YELLOW YELLOW	150 mm C-C FROM SKIP-DASH CENTERLINE 300 mm C-C (OMIT SKIP-DASH CENTERLINE BETWEEN)
CENTERLINE ON MULTI-LANE UNDIVIDED	2 @ 100 mm	SOLID	YELLOW	300 mm C-C
LANE LINES	100 mm	SKIP-DASH	WHITE	3 m LINE WITH 9 m SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	600 mm LINE WITH 18 m SPACE
EDGE LINES	125 mm WHITE 100 mm YELLOW	SOLID	WHITE - RIGHT YELLOW - LEFT	OUTLINE RAISED MEDIANS IN YELLOW
TURN LANE MARKINGS	150 mm LINE FULL SIZE LETTERS AND SYMBOLS (2.4 m)	SOLID	WHITE	TURN ARROW 15 SQ. m COMB. ARROW 2.4 SQ. m STRAIGHT ARROW 150. m ONLY 19 SQ. m
TWO WAY LEFT TURN MARKING	2 @ 100 mm EACH DIRECTION 2.4 m LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	3 m LINE WITH 9 m SPACE FOR SKIP-DASH 150 mm C-C BETWEEN SKIP-DASH LINE AND SOLID LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK	300 mm @ 90°	SOLID	WHITE	300 mm LONGITUDINAL BAR WITH 600/900 mm SPACE, 18 m TO 36 m WIDE SEE TYPICAL CROSSWALK MARKING DETAIL
STOP BARS	600 mm	SOLID	WHITE	PLACE 12 m IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE PLACE AT DESIRED STOPPING POINT.
PAINTED MEDIANS	2 @ 100 mm WITH 300 mm DIAGONALS @ 45° NO DIAGONALS USED FOR 12 m WIDE MEDIAN	SOLID	YELLOW - 2-WAY TRAFFIC WHITE - 1-WAY TRAFFIC	300 mm C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING DETAIL MINIMUM OF 5 DIAGONALS
GORE MARKING AND CHANNELIZING LINES	200 mm WITH 300 mm DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS 4.6 m C-C (LESS THAN 30 MPH) 6 m C-C (30 TO 45 MPH) 9 m C-C (OVER 45 MPH) MINIMUM OF 5 DIAGONALS
R.R. CROSSING	400 mm TRANSVERSE LINES RR IS 1.8 m LETTER 400 mm LINE FOR "X"	SOLID	WHITE	SEE IDOT-STD.78000 SQUARE METER AREA OF: "R" = 0.33 SQ. m / "R" "X" = 50 SQ. m
SHOULDER DIAGONALS	300 mm @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	15.2 m C-C (LESS THAN 30 MPH) 23.0 m C-C (30 TO 45 MPH) 45.7 m C-C (OVER 45 MPH) MINIMUM OF 5 DIAGONALS

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO PART III "MARKINGS" IN THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND IDOT-HIGHWAY STANDARD 78000 EFFECTIVE JAN. 9, 1998.

NOTES:

- PAINT CURB AND NOSE SOLID FOR 10' (3m) OR RADIUS OF NOSE, WHICHEVER IS GREATER.
- PAINT MINIMUM OF 3 STRIPES IN DIRECTION OF TRAFFIC.
- REDUCED SPACING USED TO OBTAIN 3 STRIPE MINIMUM.
- STRIPE SPACING RECOMMENDED ONLY WHERE OPERATIONAL PROBLEMS DICTATE.
- PAINT SOLID WHERE A MINIMUM OF 3 STRIPES CANNOT BE PLACED.



REVISIONS		Lake County Division of Transportation	
NAME	DATE	TYPICAL PAVEMENT MARKINGS FOR COUNTY HIGHWAYS	
JOHN SAUTER	7/7/99	SCALE: NONE	
JOHN SAUTER	11/01/01	DRAWN BY: JPS	
		DATE: JAN. 12, 1998	
		CHECKED BY: ANK	