## TYPICAL PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS 2730 08-00259-00-TL LAKE 86 81 PAVEMENT MARKINGS FOR RAILROAD CROSSING ILLINOIS CONTRACT NO: 63344 THRU LANE TO TURN LANE CONVERSION **CROSSWALKS** I. 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 X = 40' R3-5R DIRECTED OTHERWISE BY THE ENGINEER. 6" WHITE LINE (ADDITIONAL PAV'T MARKINGS AS SHOWN 2. SPACING = 40' FOR CENTERLINE MARKERS. ON SHEET ONE OF THE L.C.D.O.T PAV'T 3. ALL RPM'S ON CENTERLINE ARE 2-WAY TYPICAL RAISED PAVEMENT R MARKINGS DETAIL SHEETS) YELLOW, LANE LINE MARKERS ARE WHITE/RED. 4. MARKERS SHALL BE INSTALLED IN ACCORDANCE MARKER INSTALLATION WITH F.H.W.A. MEMORANDUM HIO-21. 5. MARKERS SHALL BE FIELD ADJUSTED TO BE LOCATED IN CENTER OF THE 30' GAP 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 80' 80' 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 I. WIDTH OF THE CROSSWALK IS GENERALLY 6' EXCEPT XX FEET MINIMUM TRANSITION ZONE LENGTH ROAD SECTION AT SCHOOL CROSSINGS AND BICYCLE CROSSINGS, PAVEMENT MARKER LEGEND WHICH CAN BE 8'. 2. THE STOP BAR SHOULD BE INSTALLED A MINIMUM OF BE IO', CENTERED WITHIN THE 30' SKIP. POSTED SPEED LENGTH RAISED PAVEMENT MARKER, DOUBLE YELLOW TRANSITION ZONE 25 M.P.H. 255 FT. 30 M.P.H. 330 FT. 4' IN ADVANCE OF THE CROSSWALK RAISED PAVEMENT MARKER, WHITE AND RED 6" WHITE 3'/I2' SKIP DASH LANE LINE \* \* 40 M.P.H. 480 F7 45 M.P.H. 555 F CURB MARKING 50 M.P.H. 630 FT MUST TURN RIGHT XX FEET LOCATION OF PAV'T MARKINGS LANE LINE PAVEMENT MARKER INSTALLATION ON MULTI-LANE ROAD SECTION CENTER LINE PAVEMENT MARKER (MEASURED FROM BEGINNING OF TRANSITION ZONE) INSTALLATION DETAIL LOCATION OF PAV'T MARKINGS 25 M.P.H. 30 M.P.H. 35 M.P.H. 20 20 .... 53 50 40 M.P.H. O FT., 170FT., 330 FT., 490 FT. O FT., 190 FT., 370 FT., 560 FT 50 M.P.H. 55 M.P.H. THRU LANE 4 " WHITE 10'/30' SKIP DASH LANE LINE FOR POSTED SPEEDS 40 M.P.H. OR GREATER A SECOND R3-7/W16-IG SIGN INSTALLATION SHALL BE LOCATED HALFWAY BETWEEN THE PAVEMENT CROSS SECTION SHOWING TYPICAL PAVEMENT MARKINGS BEGINNING OF THE TRANSITION ZONE AND THE BEGINNING OF THE TURN LANE ( 2-LANE ROADWAY ) PAVEMENT MARKING GUIDELINES TYPE OF MARKING CENTERLINE OF 2 LANE PAVEMENT NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS IO FT. LINE WITH 30 FT. SPACE 5 I/2 IN. C-C FROM SKIP-DASH CENTERLINE 1 I IN. C-C (OMIT SKIP-DASH CENTERLINE BETWEEN) 4 IN. 2 @ 4 IN. SOLID SOLID YELLOW YELLOW FOR BOTH DIRECTIONS CENTERLINE ON MULTI-LANE UNDMIL LANE LINES DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS) 9'-3 1/2 " 2-9 1/2 2 @ 4 IN. 4 IN. SOLID SKIP-DAS YELLOW IO FT. LINE WITH 30 FT. SPACE Road Surface SAME AS LINE BEING EXTENDED SAME AS LINE BEING EXTENDED SKIP-DASH 2 FT. UNE WITH 6 FT. SPACE \* INLAYED PREFORMED I I' LANE WIDTH 5 IN. WHITE 4 IN. YELLOW WHITE - RIGHT YELLOW - LEFT PLASTIC STATION NUMBER SOLID OUTLINE RAISED MEDIANS IN YELLOW TURN ARROW ISS SO, FT. STRAIGHT ARROW ISS SO, FT. ONLY 20B SO, FT. COMB. ARROW 26D SO, FT. T. LINE WITH 30 FT. SPACE FOR SKIP-DASH 5 1/2 IN. CC BETWEEN SKIP-DASH LINE AND SOLID LINE 6 IN. LINE FULL SIZE LETTERS AND SYMBOLS (8 FT.) TURN LANE MARKINGS SOLID WHITE 2 @ 4 IN. EACH DIRECTION SKIP-DASH AND SOLID YELLOW TWO WAY LEFT TURN MARKING 10'-3 1/2 1 SEE 1'-9 1/2 SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL 8 FT. LEFT ARROW WHITE IN PAIRS 12 IN. LONGITUDINAL BAR WITH 24 IN. SPACE 6 FT. TO 12 FT. WIDE SEE TYPICAL CROSSWALK MARKING DETAIL CROSSWALK 12 IN. @ 90° SOLID WHITE NORMAL SPACING PAINT CURB AND NOSE SOLID FOR IO' OR RADIUS \* INLAYED PREFORMED PLACE 4 FT. IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE PLACE AT DESIRED STOPPING POINT. 12' LANE WIDTH OF NOSE, WHICHEVER IS GREATER. PLASTIC STATION NUMBER 24 IN. SOLID WHITE STOP BARS 2. PAINT MINIMUM OF 3 STRIPES IN DIRECTION OF TRAFFIC. 3. REDUCED SPACING USED TO OBTAIN 3 STRIPE MINIMUM. IN. C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING DETAIL MINIMUM OF 5 DIAGONALS @ 4 IN. WITH I 4. STRIPING RECOMMENDED ONLY WHERE OPERATIONAL REDUCED SPACING STATIONING DETAIL PAINTED MEDIANS SOLID PROBLEMS DICTATE. 5. PAINT SOLID WHERE A MINIMUM OF 3 STRIPES VAGONALS FT. C-C (LESS THAN 30 M.P.H.) 20 FT. C-C (30 TO 45 M.P.H.) 30 FT. C-C (OVER 45 M.P.H.) MINIMUM OF 5 DIAGONALS 1+00 CANNOT BE PLACED. 3 4' 8 4' 8 4' 8 4' 8 GORE MARKING AND CHANNELIZING LINES 8 IN. WITH 12 IN. DIAGONALS @ 45 SOLID WHITE Road Surface Road Surface SEE IDD.T. STD. 780001 SQ. FT. AREA 0F: 'R' - 3.6 SQ. FT. / 'R' 'X' - 54.0 SQ. FT. DOUBLE STRIPE CENTERLINE DETAIL SINGLE STRIPE CENTERLINE DETAIL SOLID WHITE VARIABLE R.R. CROSSING APPROVED BY: A. KHAWAJA LakeCounty EDGE OF PAVEMENT Centerline markings are 4" lines at 11" centers. WHITE - RIGHT SHOULDER DIAGONALS SOLID YELLOW - LEFT TYPICAL PAVEMENT MARKINGS FOR COUNTY HIGHWAYS FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO PART III "MARKINGS" IN THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" IE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND I.D.O.T. HIGHWAY STANDARD 780001 EFFECTIVE JAN. 9, 1998. SHEET 2 OF 3 THE NAME = DETAIL SHEET USER NAME == GHA DESIGNED - JRD REVISED - 9/15/09 (LCDOT) SECTION COUNTY 135.315-- TR1.dwg DRAWN - ZCW REVISED 9/25/09 (IDOT) .ake County LAKE 86 2730 CHECKED - DPB REVISED - 10/19/09 (LCDOT) CONTRACT #: 63344 Division of Transportation PLOT DATE = 10/19/2009 DATE - 10/19/09 REVISED -SCALE: NONE SHEET NO. 81 OF 86 SHEETS STA. TO STA.