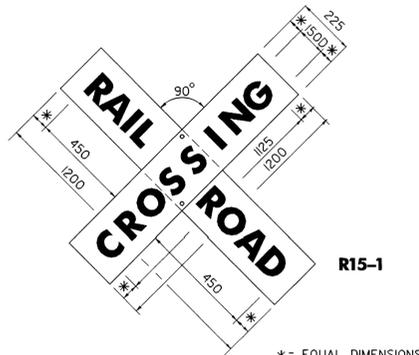
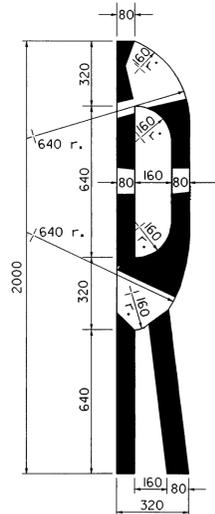


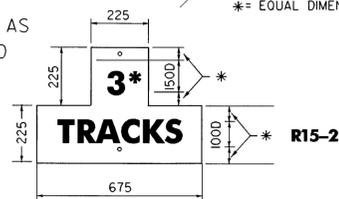
PAVEMENT MARKINGS



R15-1

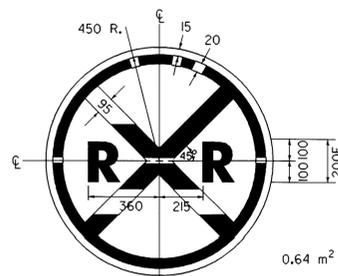
* = EQUAL DIMENSIONS

* NUMBER AS REQUIRED



R15-2

RAILROAD CROSSING SIGN (CROSSBUCK)



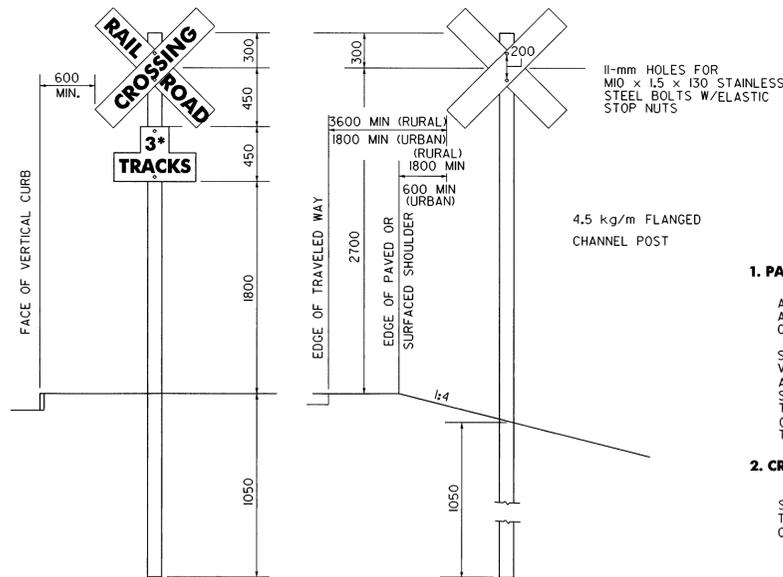
W10-1

ADVANCE SIGN

SIGN MATERIALS AND COLORS

CROSSBUCKS SHALL BE EITHER 16-mm HIGH DENSITY OVERLAY PLYWOOD OR 2.54-mm ALUMINUM W/SILVER OR WHITE ENCAPSULATED LENS SHEETING, APPLIED TO BOTH SIDES OF SIGN PANELS.

ADVANCE SIGN SHALL BE 3.18-mm ALUMINUM W/YELLOW REFLECTIVE SHEETING. MULTI-TRACK SIGN SHALL BE 1.52-mm ALUMINUM W/SILVER OR WHITE REFLECTIVE SHEETING. TEXT, STRIPES AND BORDERS SHALL BE EITHER BLACK PAINTED OR LETTERING FILM.



4.5 kg/m FLANGED CHANNEL POST

GENERAL NOTES

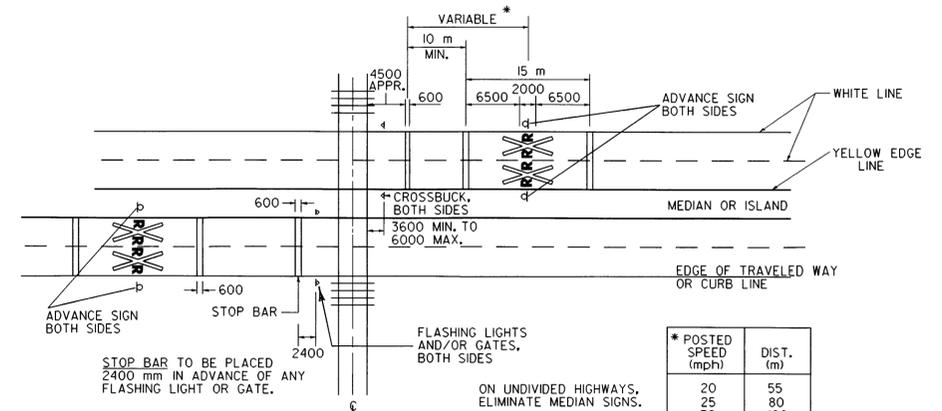
1. PAVEMENT MARKINGS

THESE MARKINGS SHALL BE PLACED, IF PHYSICALLY FEASIBLE, ON ALL PAVED APPROACHES TO RAILROAD CROSSINGS, WHERE THERE ARE SIGNALS AND/OR AUTOMATIC GATE AND AT ALL OTHER CROSSINGS WHERE THE PREVAILING SPEED OF HIGHWAY TRAFFIC IS 60 km/h OR GREATER. THE MARKINGS SHALL ALSO BE PLACED AT CROSSINGS WHERE ENGINEERING STUDIES INDICATE THERE IS A SIGNIFICANT POTENTIAL CONFLICT BETWEEN VEHICLES AND TRAINS. ALL MARKINGS SHALL BE WHITE EXCEPT FOR MEDIAN EDGELINES AND CENTERLINE ON 2 LANE ROADS WHICH SHALL BE YELLOW. THE RAILROAD CROSSING SYMBOL SHALL CONSIST OF THE "X" FLANKED BY TWO "R"'S AND THREE 600-mm STOP BARS; TWO BRACKETING THE "X", ONE AT THE CROSSING. AT MINOR CROSSINGS OR IN URBAN AREAS, THESE MARKINGS MAY BE OMITTED IF AN ENGINEERING STUDY INDICATES THAT OTHER DEVICES INSTALLED PROVIDE SUITABLE PROTECTION.

2. CROSSBUCKS

WHERE PHYSICALLY FEASIBLE AND VISIBLE TO APPROACHING TRAFFIC, THESE SIGNS SHALL BE INSTALLED ON THE RIGHT-HAND SIDE OF THE ROADWAY FOR EACH APPROACH TO THE CROSSING. MULTI-LANE DIVIDED HIGHWAYS SHALL HAVE SIGNS MOUNTED ON BOTH SIDES OF THE ROADWAY APPROACHES.

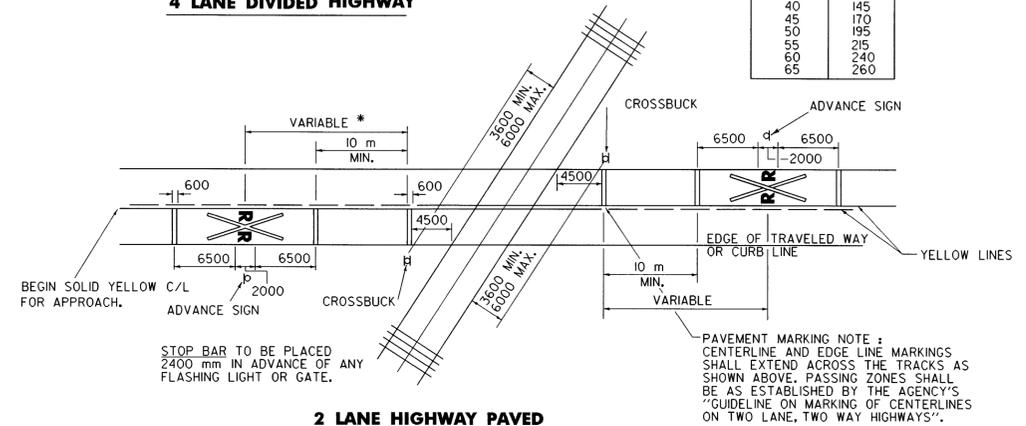
THIS SHEET IS NOT TO SCALE



4 LANE DIVIDED HIGHWAY

| * POSTED SPEED (mph) | DIST. (m) |
|----------------------|-----------|
| 20 | 55 |
| 25 | 80 |
| 30 | 100 |
| 35 | 125 |
| 40 | 145 |
| 45 | 170 |
| 50 | 195 |
| 55 | 215 |
| 60 | 240 |
| 65 | 260 |

ON UNDIVIDED HIGHWAYS, ELIMINATE MEDIAN SIGNS.



2 LANE HIGHWAY PAVED

ALSO APPLICABLE TO UNPAVED ROADS FOR PLACEMENT OF CROSSBUCKS AND ADVANCE SIGNS

PAVEMENT MARKING NOTE : CENTERLINE AND EDGE LINE MARKINGS SHALL EXTEND ACROSS THE TRACKS AS SHOWN ABOVE. PASSING ZONES SHALL BE AS ESTABLISHED BY THE AGENCY'S "GUIDELINE ON MARKING OF CENTERLINES ON TWO LANE, TWO WAY HIGHWAYS".

3. AUXILIARY SIGNS

A "NUMBER OF TRACKS" SIGN SHALL BE USED WHERE THERE ARE TWO OR MORE TRACKS AT THE CROSSING.

4. ADVANCE WARNING SIGNS

RAILROAD ADVANCE WARNING SIGNS WILL BE PROVIDED AND LOCATED IN ACCORDANCE WITH THE MUTCD.

OTHER STDS. E-160M REQUIRED:

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS (mm) EXCEPT WHERE NOTED.

REVISIONS AND CORRECTIONS

JUNE 13, 1997 - ORIGINAL APPROVAL DATE
June 30, 2003 - Superseded

APPROVED

[Signature]
DIRECTOR OF ENGINEERING
[Signature]
DIRECTOR OF CONSTRUCTION AND MAINTENANCE

RAILROAD CROSSING SIGNS AND PAVEMENT MARKINGS



Metric STANDARD E-190M