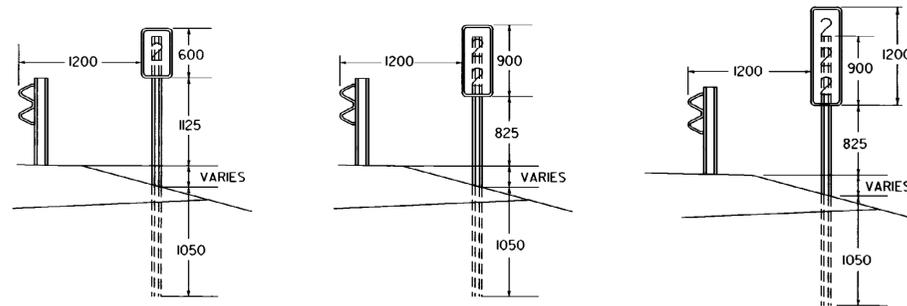
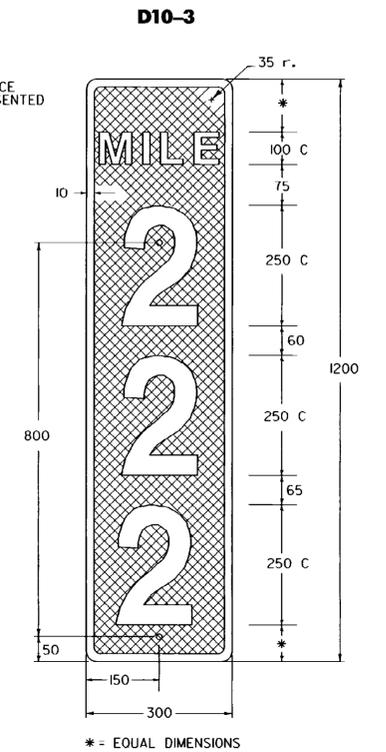
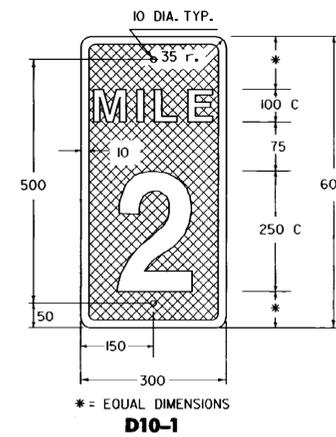
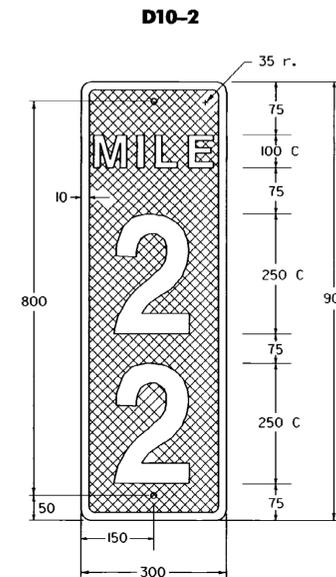


**MOUNTING HEIGHTS WITHOUT GUARD RAIL**



**MOUNTING HEIGHTS WITH GUARD RAIL**

**NOTE:**  
 REFERENCE MARKERS SHALL BE ELIMINATED IF THEY OCCUR ON A BRIDGE. A PART "A"/PART "B" COMBINATION REFERENCE PLAQUE WILL BE SUBSTITUTED FOR THE REFERENCE MARKER ON THE BRIDGE. THE LEGEND OF THE PART "B" REFERENCE PLAQUE SHOULD BE "00". REFERENCE PLAQUE DETAILS ARE PRESENTED ON STD. E-198M.



**COLORS:**

THE SIGNS SHALL HAVE WHITE REFLECTIVE NUMERALS, BORDER AND LEGEND ON A GREEN REFLECTORIZED BACKGROUND. THE GREEN REFLECTIVE MATERIAL SHALL BE REFLECTIVE SHEETING APPLIED TO THE ENTIRE BACKGROUND OF THE SIGN. THE COLORS SHALL CONFORM WITH THE STANDARD COLOR TOLERANCE CHARTS APPROVED BY THE FHWA.

**TEXT:**

LETTERS AND NUMBERS SHALL CONFORM WITH THE STANDARD ALPHABETS AND DESIGNS AS PRESCRIBED IN THE FHWA PUBLICATION "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS".

**MATERIALS:**

REFERENCE MARKER SIGNS SHALL BE 2.03-mm FLAT SHEET ALUMINUM. SIGNS SHALL BE MOUNTED ON FLANGED CHANNEL STEEL SIGN SUPPORTS HAVING A MASS PER UNIT LENGTH OF 4.5 kg/m.

**PAYMENT:**

THE REFERENCE MARKER SIGNS SHALL BE PAID AS TRAFFIC SIGNS TYPE A. THE POSTS SHALL BE PAID AS FLANGED CHANNEL SIGN POSTS.

**OTHER STDS. E-160M  
 REQUIRED: E-198M**

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

**REVISIONS AND CORRECTIONS**

JUNE 13, 1997 - ORIGINAL APPROVAL DATE  
 APRIL 01, 1998 - CHANGED NUMBERS ON SIGN DETAILS  
 DUE TO A DISCRIMINATION COMPLAINT

**APPROVED**

*[Signature]*  
 DIRECTOR OF PROJECT DEVELOPMENT

*[Signature]*  
 DIRECTOR OF CONSTRUCTION AND MAINTENANCE

**REFERENCE MARKER DETAILS  
 INTERSTATE**



**Metric  
 STANDARD  
 E-139 M**