

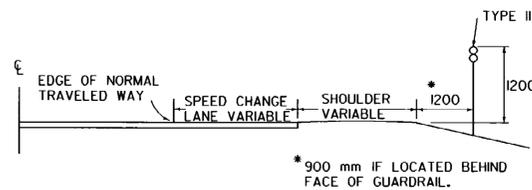
**TYPICAL PLACEMENT OF TYPE I DELINEATORS AND REFERENCE PLAQUES ON DIVIDED HIGHWAY**

TYPE I DELINEATORS WITH WHITE REFLECTOR UNITS AND THE APPROPRIATE REFERENCE PLAQUES SHALL BE ERECTED CONTINUOUSLY ALONG THE RIGHT SIDE OF THE DIVIDED HIGHWAYS BETWEEN REFERENCE MARKERS, EXCEPT THAT BEHIND GUARDRAIL THE REFERENCE PLAQUES WITHOUT REFLECTORS SHALL BE ERECTED.

THE TYPE I DELINEATORS WITH OR WITHOUT REFERENCE PLAQUES SHALL BE OMITTED ALONG DECELERATION AND ACCELERATION LANES, BUT THE SUCCEEDING SPACING SHALL BE AS IF THE DELINEATORS HAD BEEN ERECTED CONTINUOUSLY AND SHALL BE SO INDICATED.

THE LOCATION OF TYPE I DELINEATORS AND REFERENCE PLAQUES ARE TO BE COMPUTED AND MARKED IN THE FIELD BY THE ENGINEER IN ACCORDANCE WITH THE LATEST REVISION OF THE AGENCY'S "POLICY ON LOCATION MARKING FOR VERMONT DIVIDED HIGHWAYS."

TYPE I AMBER DELINEATORS WITHOUT REFERENCE PLAQUES SHALL BE ERECTED CONTINUOUSLY ALONG THE LEFT OR MEDIAN SIDE ON THE DIVIDED HIGHWAYS EXCEPT BEHIND GUARDRAIL. THEY SHALL BE CONTINUED AT APPROXIMATELY THE SAME SPACING THROUGH INTERCHANGES AND REST AREAS WHERE THERE MAY NOT BE ANY TYPE I DELINEATORS ON THE RIGHT SIDE. THE SAME LATERAL PLACEMENT SHALL BE FOLLOWED ON THE LEFT AS ON THE RIGHT. TYPE I DELINEATORS WITHOUT REFERENCE PLAQUES SHALL BE INSTALLED ON INTERSTATE RAMP AS SHOWN ON THE PLANS.



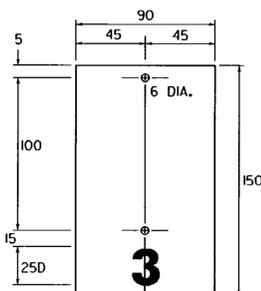
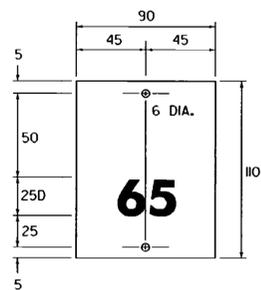
**TYPICAL PLACEMENT OF TYPE II DELINEATORS ON SPEED CHANGE LANES**

TYPE II DELINEATORS SHALL BE ERECTED CONTINUOUSLY ALONG THE RIGHT SIDE OF THE DECELERATION AND ACCELERATION LANES AT 30-m INTERVALS INCLUDING GUARDRAIL SECTIONS. THE DELINEATORS SHALL START AT THE BEGINNING OF THE TAPER AND END AT THE NOSE OF THE EXIT OR ENTRANCE GORE. THEY SHALL HAVE WHITE REFLECTOR UNITS.

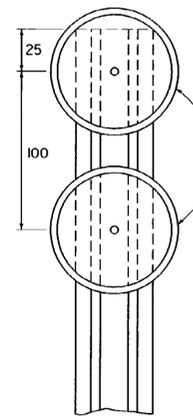
**TYPE III DELINEATORS - SEE NOTE # 1**

TYPE III DELINEATORS SHALL BEGIN 15 m FROM WRONG WAY SIGNS AND EXTEND EVERY 15 m TO A POINT NOT LESS THAN 7.5 m FROM THE DIVIDED HIGHWAY AND BE MOUNTED ON BOTH SIDES OF THE ROAD AS SHOWN ON THE PLANS.

REFERENCE PLAQUE PART "A" (THE NUMERALS ON PART "A" INDICATE THE KILOMETER.)

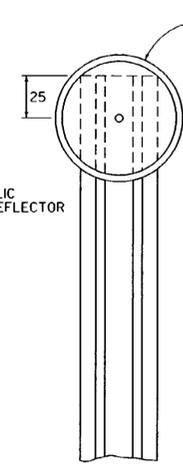


REFERENCE PLAQUE PART "B" (THE LEGEND ON PART "B" REPRESENTS TENTHS OF A KILOMETER BETWEEN REFERENCE MARKERS.)

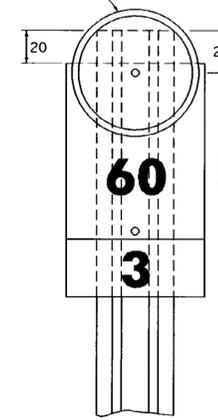


TYPE II

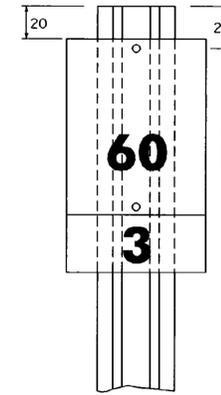
**DELINEATORS WITH ACRYLIC PLASTIC REFLECTORS**



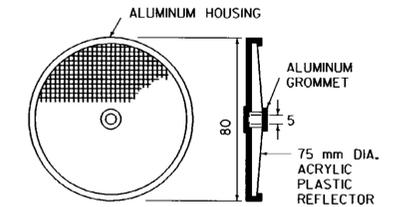
TYPE I WITHOUT REFERENCE PLAQUE



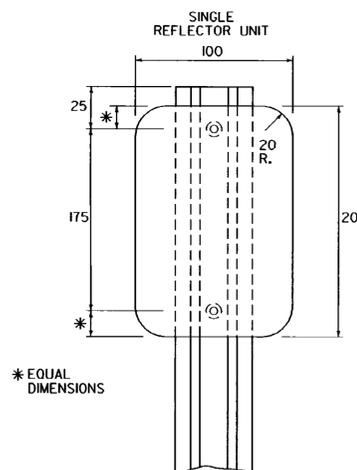
TYPE I WITH REFERENCE PLAQUE



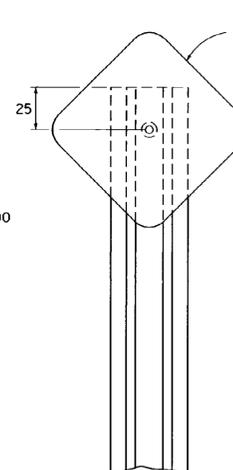
REFERENCE PLAQUE WITHOUT REFLECTOR



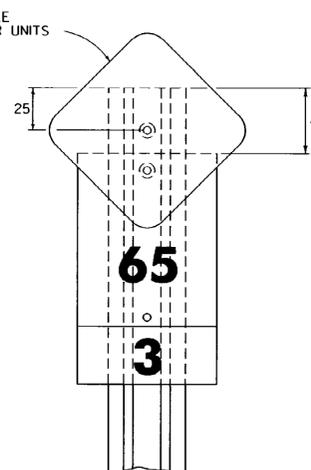
DELINEATOR PLASTIC REFLECTOR UNIT



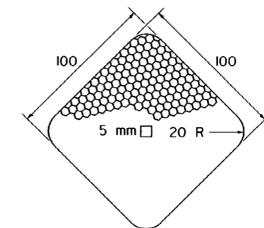
TYPE II



TYPE I WITHOUT REFERENCE PLAQUE



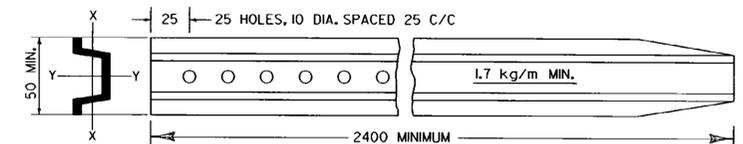
TYPE I WITH REFERENCE PLAQUE



DELINEATOR REFLECTIVE SHEETING UNIT

MATERIAL FOR REFLECTIVE SHEETING DELINEATORS SHALL BE A 1.60-mm ALUMINUM BACKING WITH A SILVER, AMBER OR RED HIGH INTENSITY REFLECTIVE SHEETING.

SECTION MODULUS  
YY = 1800 mm<sup>3</sup> MIN.  
XX = 1300 mm<sup>3</sup> MIN.



**DELINEATORS WITH REFLECTIVE SHEETING**

REFERENCE PLAQUES WITH OR A WITHOUT REFLECTOR UNIT SHALL BE MOUNTED ON THE POST WITH TWO OR THREE M5 X 0.8 X 40 ALUMINUM BOLTS WITH M5 X 0.8 ALUMINUM VANDAL RESISTANT NUTS OR WITH 5 mm DIA. BY 40 mm LONG VANDAL RESISTANT FASTENERS.

**NOTES**

- TYPE III DELINEATORS WILL BE TYPE I DELINEATORS WITH AN ADDITIONAL RED REFLECTIVE UNIT MOUNTED ON THE REVERSE SIDE. THEY SHALL BE ERECTED ON THE RIGHT AND LEFT SIDE OF THE RAMP AS INDICATED ON THE PLANS.
- EACH UNIT COMPLETE IN PLACE OF DELINEATOR TYPE I WITH OR WITHOUT REFERENCE PLAQUE, DELINEATOR TYPE II, DELINEATOR TYPE III OR REFERENCE PLAQUE WITHOUT REFLECTOR SHALL BE PAID FOR AS "DELINEATOR".
- FOR MOUNTING DELINEATORS AND REFERENCE PLAQUES ON BRIDGES, SEE STANDARD E-199M.
- DELINEATOR POSTS SHALL HAVE A MINIMUM EMBEDMENT OF 600 mm IN THE GROUND.

REVISIONS AND CORRECTIONS  
JUNE 13, 1997 - ORIGINAL APPROVAL DATE

APPROVED

*Paul C. ...*  
DIRECTOR OF ENGINEERING  
*London A. McArthur*  
DIRECTOR OF CONSTRUCTION AND MAINTENANCE

**FREEWAY - EXPRESSWAY  
DELINEATORS AND  
REFERENCE PLAQUES**

NOT TO SCALE  
OTHER STDS. REQUIRED:

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



**Metric**  
STANDARD  
E-198 M