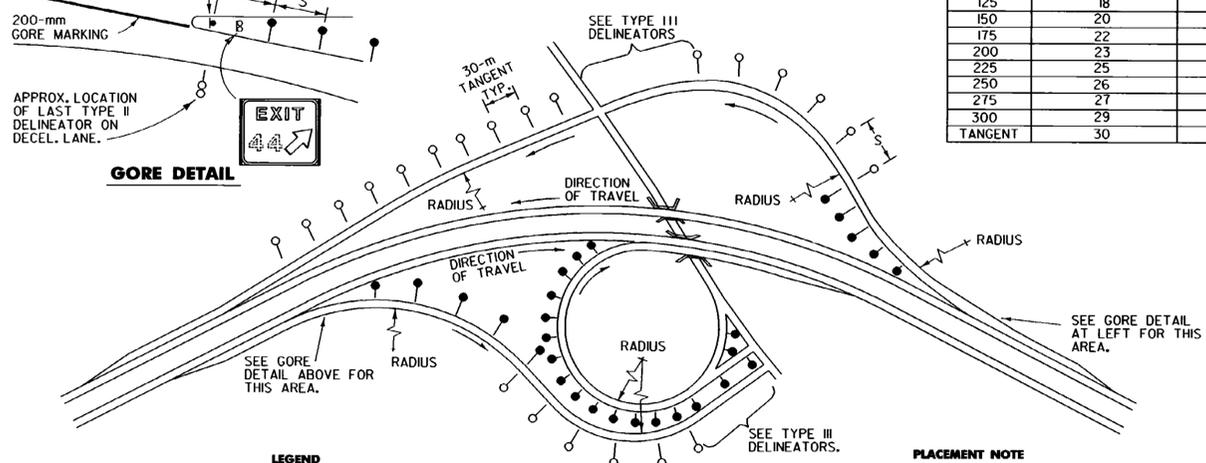


NOTE: SPACING FOR SPECIFIC RADIUS NOT SHOWN MAY BE INTERPOLATED FROM THE TABLE AND ROUNDED TO THE NEAREST METER. THE MINIMUM SPACING SHOULD NOT BE LESS THAN 6 m NOR GREATER THAN 90 m. THE SPACING OF THE FIRST DELINEATOR APPROACHING A CURVE SHOULD BE PLACED AT 2S, THE SECOND 3S, AND THE THIRD 6S, BUT THE DISTANCE SHOULD NOT EXCEED 90 m. S REFERS TO THE DELINEATOR SPACING FOR SPECIFIC RADIUS COMPUTED FROM THE FORMULA:

$$S = 1.7\sqrt{R - 15}$$

RADIUS OF CURVE (m)	(S) SPACING ON OUTSIDE OF CURVE (m)	POSTED RAMP SPEED (mph)
25	6	
50	10	25
75	13	30
100	16	35
125	18	40
150	20	
175	22	
200	23	50
225	25	
250	26	
275	27	
300	29	
TANGENT	30	



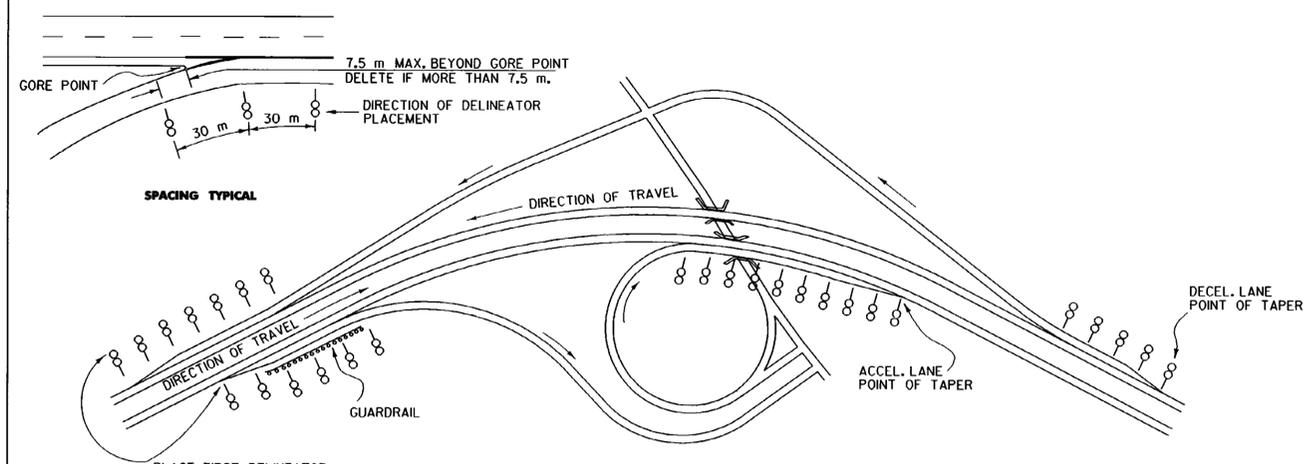
LEGEND

WHITE OR AMBER
 RIGHT SIDE OR LEFT SIDE

A TYPE I DELINEATOR CONSISTS OF A SINGLE WHITE OR AMBER REFLECTOR BUTTON MOUNTED ON A 1.7 kg/m MIN. FLANGED CHANNEL POST AND IS POSITIONED TO REFLECT TO TRAFFIC APPROACHING FROM THE NORMAL DIRECTION OF TRAVEL.

PLACEMENT NOTE

TYPE I DELINEATORS ARE TO BE PLACED ON THE OUTSIDE OF RAMP CURVES AT THE APPROPRIATE SPACING FOR CURVE RADIUS OR POSTED RAMP SPEED AS SHOWN ON THE CHART AND PLACED AT 30-m SPACING ON TANGENT ON THE DRIVERS' RIGHT. AMBER DELINEATORS ARE REQUIRED ON THE DRIVERS' LEFT AND WHITE DELINEATORS ON THE RIGHT. DELINEATORS SHALL NOT BE OMITTED BEHIND GUARDRAIL ON THE RAMPS AS IS THE CASE WITH TYPE I DELINEATORS ALONG THE MAIN LINE.



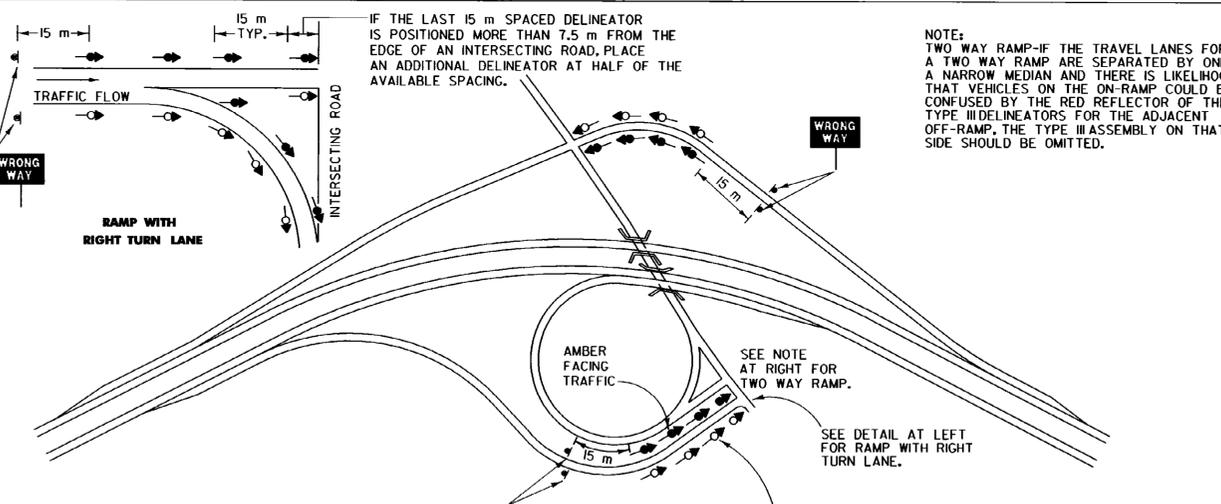
LEGEND

DOUBLE WHITE

A TYPE II DELINEATOR CONSISTS OF TWO WHITE REFLECTOR BUTTONS MOUNTED ONE ABOVE THE OTHER ON A 1.7 kg/m MIN. FLANGED CHANNEL POST AND IS POSITIONED TO REFLECT TO TRAFFIC APPROACHING FROM THE NORMAL DIRECTION OF TRAVEL.

PLACEMENT NOTE

TYPE II DELINEATORS SHALL BE ERECTED CONTINUOUSLY ALONG THE RIGHT SIDE OF ACCELERATION AND DECELERATION LANES AT 30-m INTERVALS AND SHALL NOT BE OMITTED BEHIND GUARDRAIL. DELINEATORS SHALL START AT THE BEGINNING POINT OF THE ACCEL. OR DECEL. LANE TAPER AND END AT THE NOSE OF THE ENTRANCE OR EXIT GORE.



LEGEND

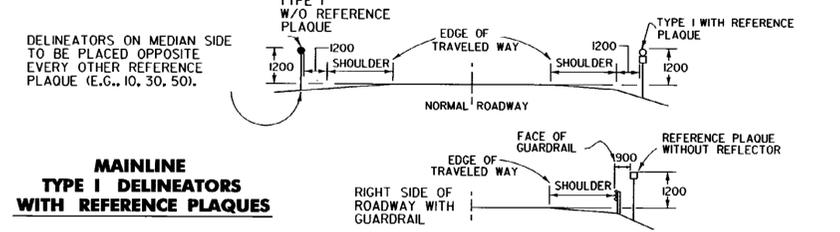
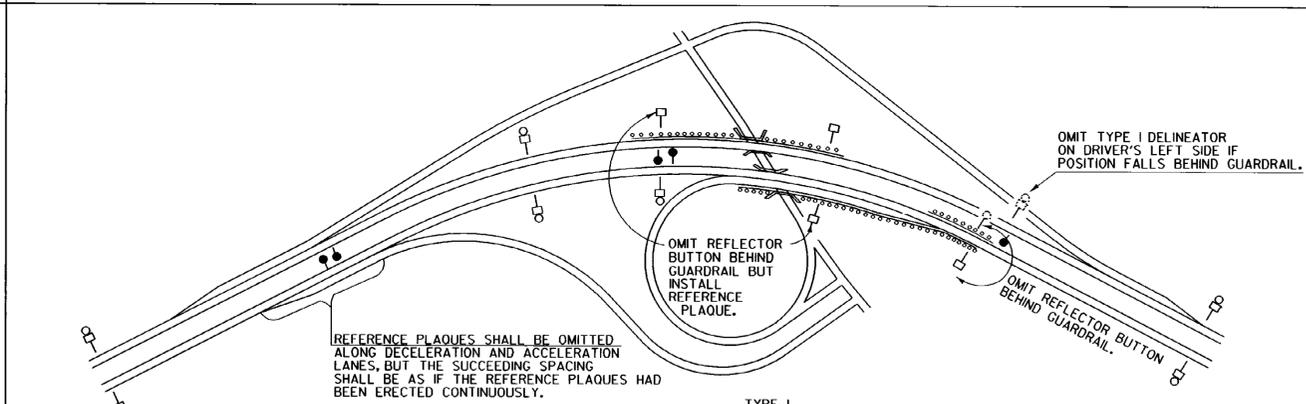
RIGHT RED ON BACK WHITE

LEFT RED ON BACK AMBER

A TYPE III DELINEATOR CONSISTS OF A TYPE I DELINEATOR FACING THE NORMAL DIRECTION OF TRAVEL AND A SINGLE RED REFLECTOR FACING THE OPPOSITE DIRECTION, BOTH MOUNTED ON A 1.7 kg/m MIN. FLANGED CHANNEL POST. THE WHITE AND RED COMBINATION IS PLACED ON THE DRIVER'S RIGHT AND THE AMBER AND RED ON THE LEFT.

PLACEMENT NOTE

TYPE III DELINEATORS SHALL BE PLACED BEGINNING AT THE "WRONG WAY" SIGN ON OFF-RAMPS AND INSTALLED ON 15-m SPACING TO A POINT NOT MORE THAN 7.5 m FROM THE INTERSECTING ROADWAY. THE "WRONG WAY" SIGNS ARE TYPICALLY 75 m FROM THE INTERSECTING ROADWAY.



THIS SHEET IS NOT TO SCALE

OTHER STDS. REQUIRED:

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

REVISIONS AND CORRECTIONS

JUNE 13, 1997 - ORIGINAL APPROVAL DATE

APPROVED

[Signature]
DIRECTOR OF ENGINEERING

[Signature]
DIRECTOR OF CONSTRUCTION AND MAINTENANCE

DELINEATOR PLACEMENT TYPICAL

VERMONT AGENCY OF TRANSPORTATION

Metric STANDARD E-197 M