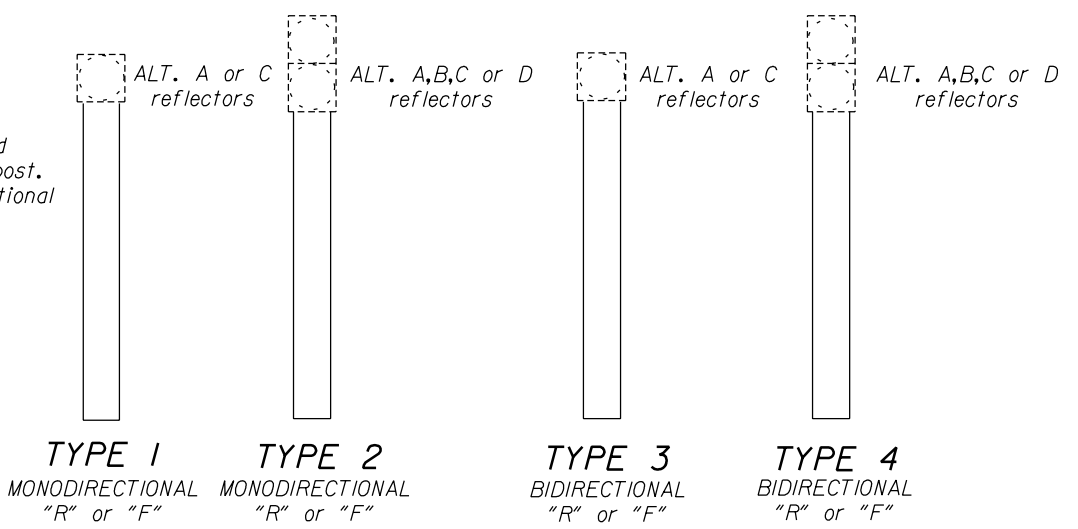


ATTACHMENT DETAIL
For "R" post



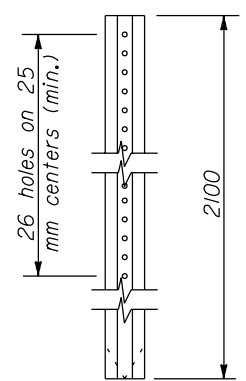
DELINEATORS

NOTE:

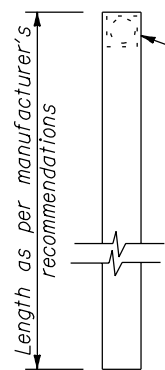
- Dimensions not labeled are in millimeters.
- Where delineators is used only on curves, place three delineators before and after the circular portion of the curve.
- Install delineators located behind beam guardrail so that the delineator post is adjacent to the trailing edge of the nearest guardrail post. (See typical installation with beam type guardrail).
- If horizontal and vertical curves are combined, use the more restrictive spacing.
- Where delineators are used on tangents, space the delineators at 160 meters. Begin the tangent spacing beyond the spacing requirements for horizontal and vertical curves.
- The delineators shall be designated, example: Type IR or Type IF, etc.
POST DETAIL:
"R"= Rigid steel or aluminum
"F"= Flexible, self erecting or yielding.
- When the contract does not provide for the construction of the ultimate pavement, allow for the thickness of base and pavement to be placed later when establishing the elevation of the traffic delineators.
- Vary the post spacing up to 1/8 of the spacing shown to clear driveways, cross roads, intersections or ramps. Eliminate the post if the variation is exceeded.
- Furnish hardware in the metric sizes shown. Equivalent imperial sizes may be used when metric sizes are not available.

ALT. A
Acrylic plastic lens reflectors enclosed in alum. housing (Alt. A & B)

ALT. C
Retroreflective sheeting reflectors mounted on aluminum target plate (Alt. C & D)

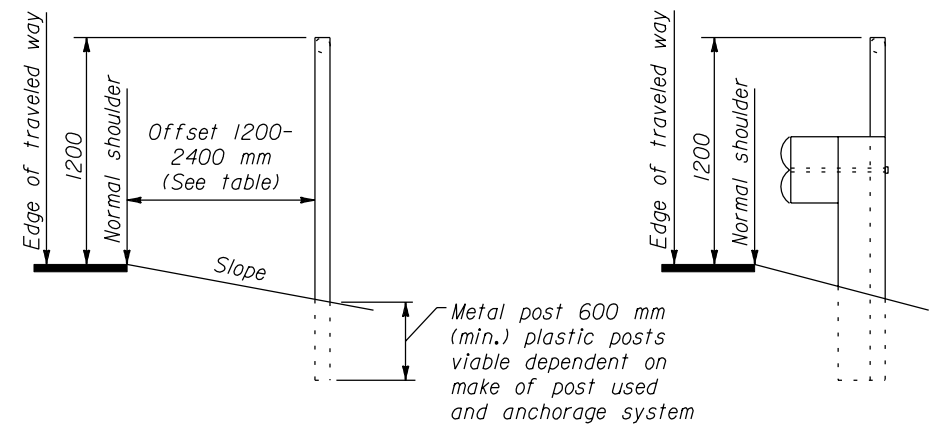


RIGID STEEL OR ALUMINUM
(ALL HOLES 6.5 mm DIAMETER)



POST DETAIL "F"
FLEXIBLE, SELF ERECTING OR YIELDING

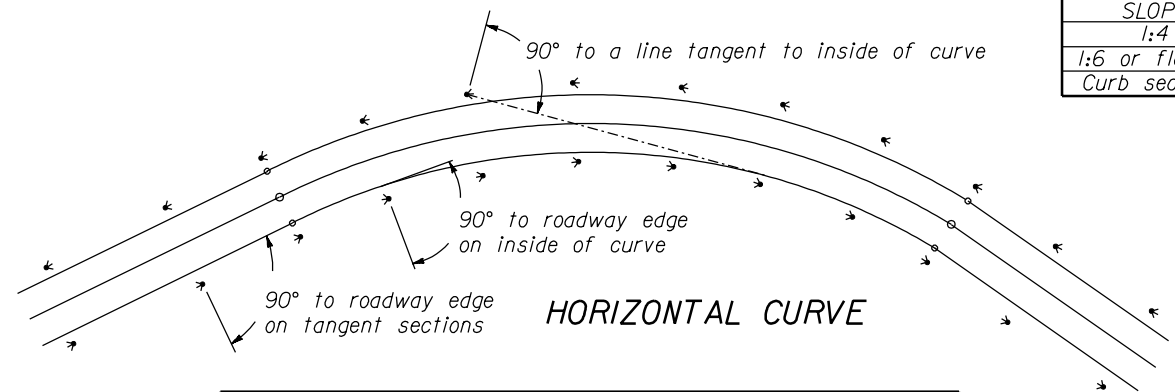
Reflectors mounted per manufacturer's specifications



TYPICAL INSTALLATION

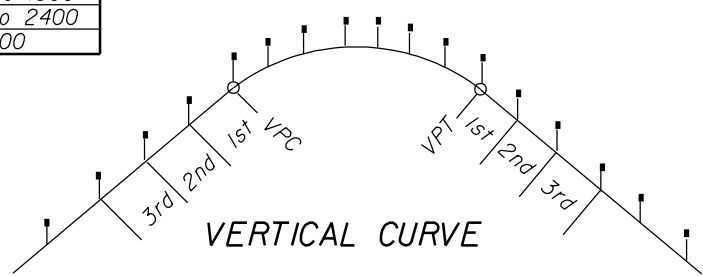
LATERAL PLACEMENT TABLE	
SLOPE	OFFSET
1:4	1200 to 1800
1:6 or flatter	1800 to 2400
Curb section	1800

TYPICAL INSTALLATION WITH BEAM TYPE GUARD RAIL



HORIZONTAL CURVE

RADIUS OF CURVE	SPACING ON EACH SIDE OF ROADWAY IN METERS				
	ON CURVE	BEYOND PCS, PSC, PC or PT			
		1st SPACE	2nd SPACE	3rd SPACE	160
>2000	90	160	160	160	160
450-2000	45	90	160	160	160
150-445	30	60	90	160	160
75-145	25	45	60	160	160
<75	15	30	45	90	160



VERTICAL CURVE

K	CREST VERTICAL CURVES					
	ON CURVE	SPACING ON EACH SIDE OF ROADWAY IN METERS				
		BEYOND VPC or VPT				
	1st SPACE	2nd SPACE	3rd SPACE	4th SPACE	5th SPACE	
OVER - 165	160	160	160	160	160	
120 - 164	90	160	160	160	160	
60 - 119	60	90	160	160	160	
30 - 59	30	45	60	90	160	
15 - 29	25	30	45	60	160	
0 - 14	15	25	30	45	90	

where: L=length of vertical curve in meters
A=Algebraic change of grade in percent

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
WESTERN FEDERAL LANDS HIGHWAY DIVISION

METRIC DETAIL

TRAFFIC DELINEATORS
IDAHO PROJECTS

DETAIL APPROVED FOR USE 3/1996

REVISIONS:

DETAIL
WM633-4