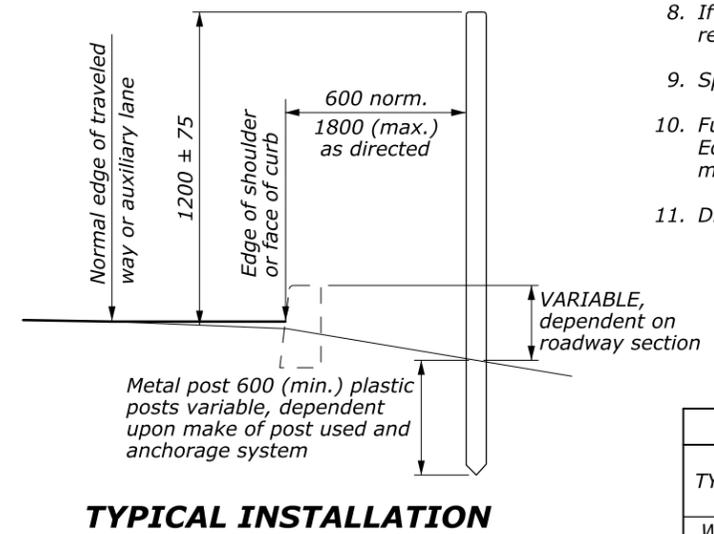
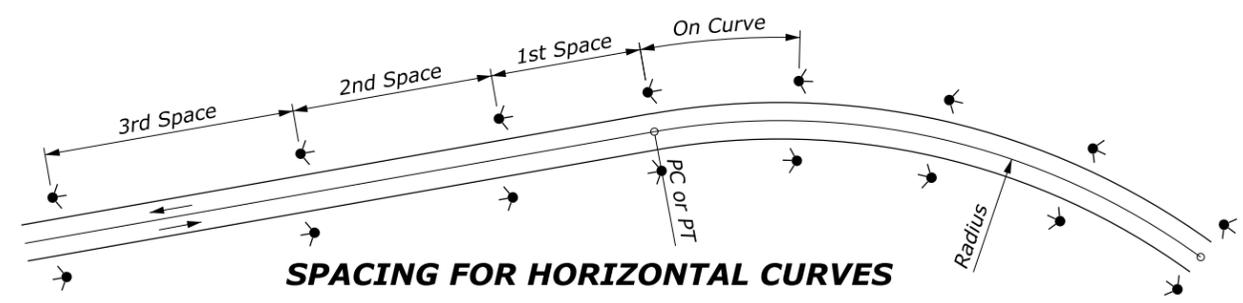
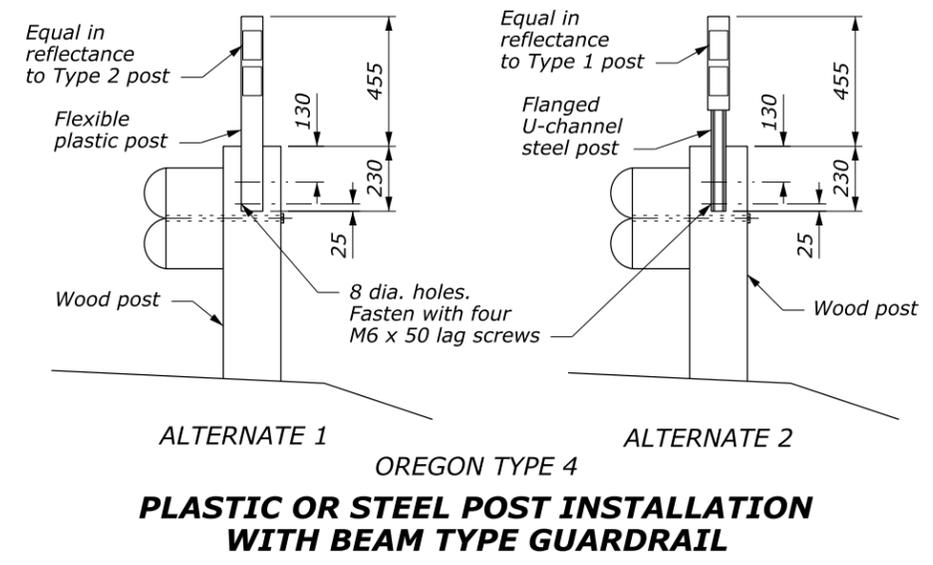


- NOTE:**
- Place delineators nearly opposite each other on horizontal curves.
 - Install all delineators with reflectors facing adjacent on-coming traffic.
 - Install delineators behind the rail at guardrail locations.
 - Offset delineators a minimum distance of 1.2 m in areas of heavy snow removal operations.
 - On roads with less than 500 ADT, use delineators only for situations such as sharp vertical or horizontal curves, or other undesirable geometrics exist.
 - Vary the post spacing up to 1/4 of the spacing shown to clear driveways, cross roads, intersections or ramps. Eliminate the post if the variation is exceeded.
 - 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.
 - If horizontal and vertical curves are combined, use the more restrictive spacing.
 - Spacing shall be measured along the shoulder or face of curb.
 - Furnish hardware in the metric sizes shown. Equivalent US Customary sizes may be used when metric sizes are unavailable.
 - Dimensions without units are millimeters.



| REFLECTOR DETAILS | | | |
|-------------------|--------------------------------|----------------------|--|
| TYPE | REFLECTOR & TARGET/ POST COLOR | NUMBER OF REFLECTORS | USAGE AND SPACING |
| W-1 | White | 1 | Max. tangent spacing: 120 m each side |
| | | | Intersections (tapers and widening): 30 m |
| | | | See Horizontal Curves table for variations |
| W-2 | White | 2 | Intersection Radius: 3 min. @ 15 m |
| | | | Lane Reduction: 3 min @ 30 m |

| HORIZONTAL CURVES | | | | |
|-------------------|---|------------------------------|-----------|-----------|
| RADIUS OF CURVE | SPACING ON EACH SIDE OF ROADWAY IN METERS | | | |
| | ON CURVE | IN ADVANCE OF & BEYOND CURVE | | |
| | | 1st SPACE | 2nd SPACE | 3rd SPACE |
| ≥ 1750 | 90 | 90 | 90 | 90 |
| 875 to < 1750 | 70 | 90 | 90 | 90 |
| 585 to < 875 | 50 | 90 | 90 | 90 |
| 440 to < 585 | 40 | 80 | 90 | 90 |
| 350 to < 440 | 35 | 70 | 90 | 90 |
| 295 to < 350 | 30 | 60 | 90 | 90 |
| 250 to < 295 | 30 | 55 | 85 | 90 |
| 195 to < 250 | 25 | 50 | 75 | 90 |
| 145 to < 195 | 20 | 45 | 65 | 90 |
| 105 to < 145 | 20 | 35 | 55 | 90 |
| 75 to < 105 | 15 | 30 | 45 | 90 |
| 50 to < 75 | 10 | 25 | 35 | 75 |
| 32 to < 50 | 10 | 20 | 30 | 55 |
| ≤ 32 | 5 | 15 | 20 | 40 |



NO SCALE

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

METRIC DETAIL

**OREGON
DELINEATORS**

DETAIL APPROVED FOR USE --/----

REVISID: DRAFT: 11/2014

DETAIL WM633-70