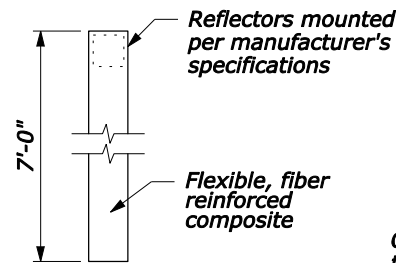


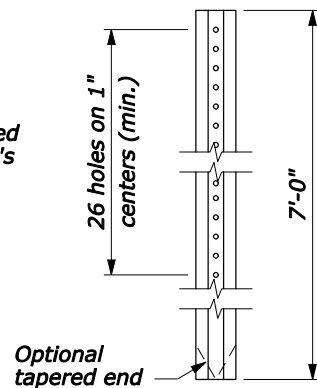
**NOTE:**

- Where delineators are used only on curves, place three delineators outside the curve limits.
- Place Type 3 delineators on the left side of two-way roadways at extreme curves with radii less than 984 feet to the right. They may also be installed where it is not possible or practical to install and maintain right-hand delineation on both sides.
- If horizontal and vertical curves are combined, use the more restrictive spacing.
- Where delineators are used on tangents, space the delineators at 528 feet. Begin the tangent spacing beyond the spacing requirements for horizontal and vertical curves.
- Delineator reflector colors are shown in the plans. Delineator type includes the post type, for example: Type 1R or Type 3F, etc.
- 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.

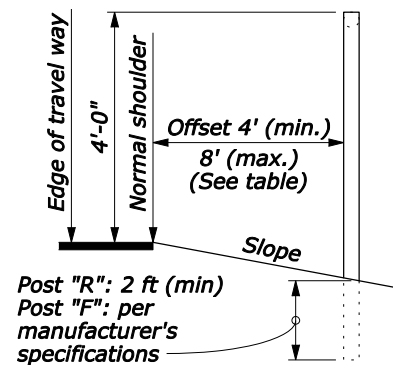
**REFLECTIVE SHEETING**



FLEXIBLE, SELF ERECTING OR YIELDING; WHITE UNLESS OTHERWISE NOTED  
**POST "F" DETAIL**

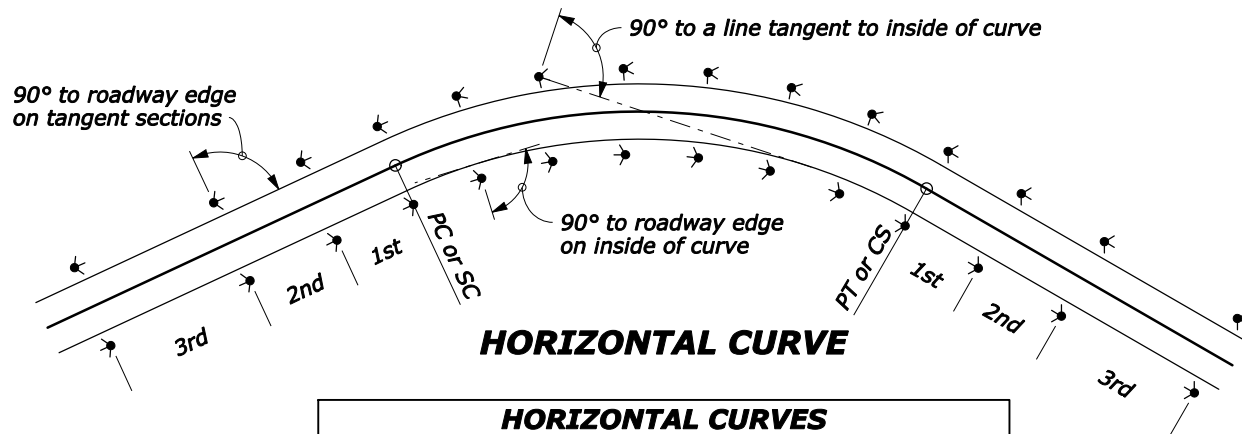


RIGID STEEL OR ALUMINUM (ALL HOLES 1/4" DIAMETER)  
**POST "R" DETAIL**

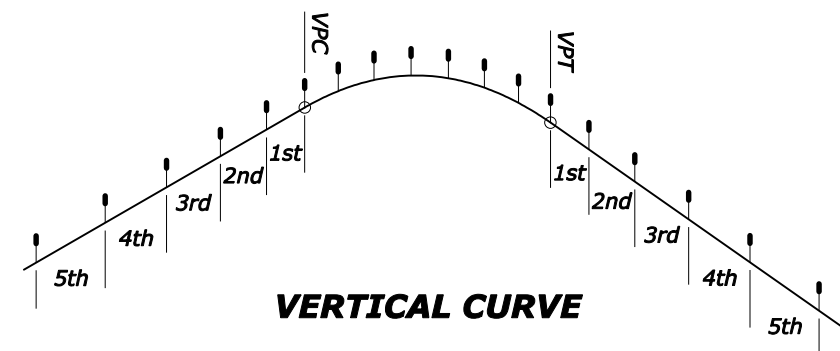


**TYPICAL INSTALLATION**

| LATERAL PLACEMENT TABLE |                |
|-------------------------|----------------|
| SLOPE                   | OFFSET         |
| 1V:4H                   | 4'-0" to 6'-0" |
| 1V:6H or flatter        | 6'-0" to 8'-0" |
| Curb Section            | 6'-0"          |

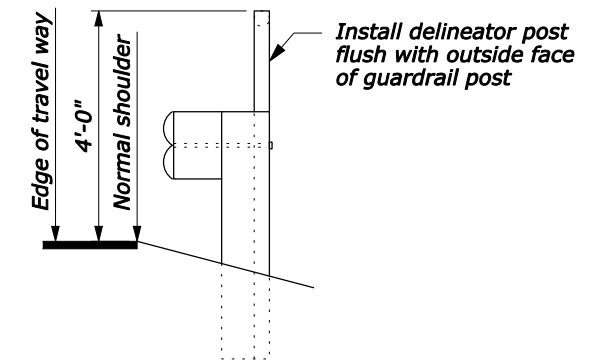


| HORIZONTAL CURVES   |  |                         |           |           |
|---------------------|--|-------------------------|-----------|-----------|
| CURVE RADIUS (FEET) | SPACING ON EACH SIDE OF ROADWAY (FEET) |                         |           |           |
|                     | ON CURVE                               | BEYOND SC, CS, PC or PT |           |           |
|                     |  | 1st SPACE               | 2nd SPACE | 3rd SPACE |
| ≥ 6000              | 300                                    | 528                     | 528       | 528       |
| 1450 - 5999         | 150                                    | 300                     | 528       | 528       |
| 480 - 1449          | 100                                    | 200                     | 300       | 528       |
| 240 - 479           | 75                                     | 150                     | 225       | 528       |
| < 240               | 50                                     | 100                     | 150       | 300       |



| CREST VERTICAL CURVES |   |                   |           |           |           |           |
|-----------------------|---|-------------------|-----------|-----------|-----------|-----------|
| K                     | SPACING ON EACH SIDE OF ROADWAY IN FEET |                   |           |           |           |           |
|                       | ON CURVE                                | BEYOND VPC or VPT |           |           |           |           |
|                       |   | 1st SPACE         | 2nd SPACE | 3rd SPACE | 4th SPACE | 5th SPACE |
| 550                   | 528                                     | 528               | 528       | 528       | 528       | 528       |
| 400 - 549             | 300                                     | 528               | 528       | 528       | 528       | 528       |
| 200 - 399             | 200                                     | 300               | 528       | 528       | 528       | 528       |
| 100 - 199             | 100                                     | 150               | 200       | 300       | 528       | 528       |
| 50 - 99               | 75                                      | 100               | 150       | 200       | 300       | 528       |
| < 50                  | 50                                      | 75                | 100       | 150       | 200       | 300       |

$K = \frac{L}{A}$  where  $L$  = Length of vertical curve in feet,  $A$  = Algebraic grade change in %



**TYPICAL INSTALLATION WITH BEAM TYPE GUARD RAIL**

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

U.S. CUSTOMARY DETAIL

**IDAHO  
DELINEATORS**

DETAIL APPROVED FOR USE 9/2009  
REVISIONS:

DETAIL  
W633-50

NO SCALE