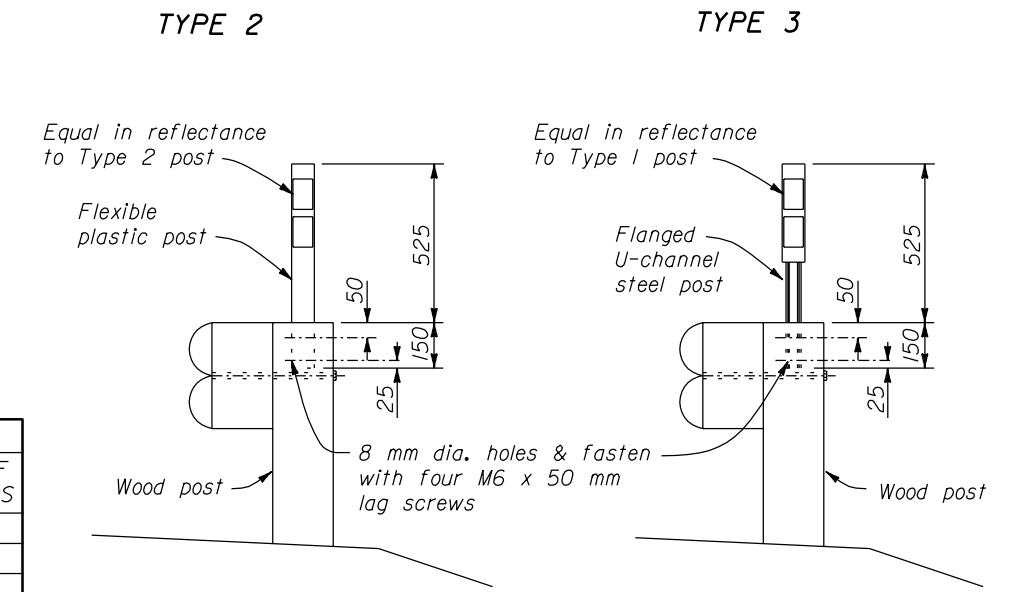


- NOTE:**
- Dimensions not labeled are in millimeters.
 - Place delineators nearly opposite each other on horizontal curves.
 - Install all delineators with reflectors facing adjacent on-coming traffic.
 - Install delineators behind the rail at guardrail locations.
 - Offset delineators a minimum distance of 1200 mm in areas of heavy snow removal operations.
 - On roads with less than 500 ADT, use delineators only where situations such as sharp vertical or horizontal curves, or other undesirable geometrics exist.
 - 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.
 - 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.
 - Furnish hardware in the metric sizes shown. Equivalent imperial sizes may be used when metric sizes are not available.



TYPE 4 PLASTIC OR STEEL POST INSTALLATION WITH BEAM TYPE GUARDRAIL

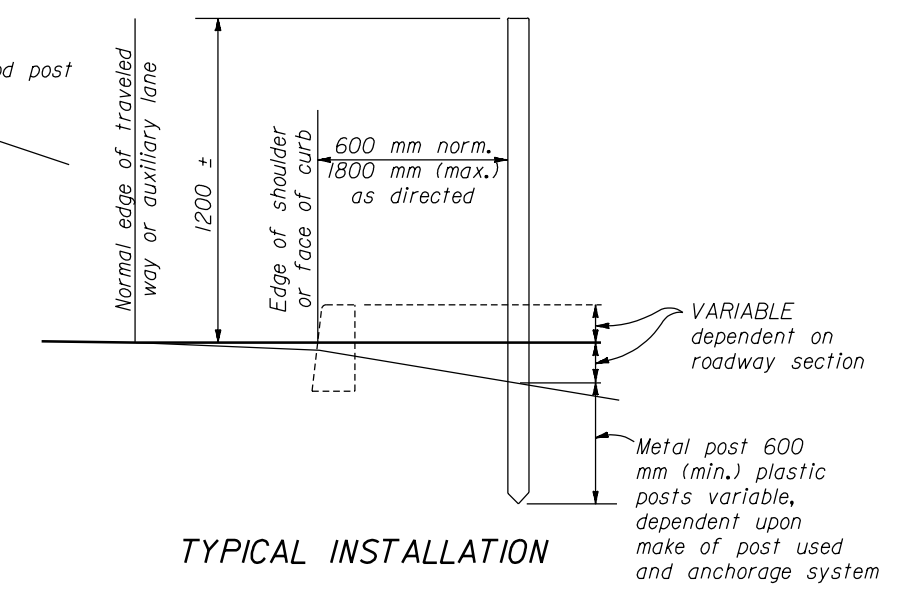
REFLECTOR TYPE	HIGHWAY	SPACING EACH SIDE
W-1	Divided	• 120 m
W-1	Undivided	• 120 m
W-2	See channelized and flared plans	
Y-1	See interchange ramp plans	

TYPE	COLOR OF REFLECTOR AND TARGET OR POST	NUMBER OF REFLECTORS
W-1	White	1
W-2	White	2
Y-1	Yellow	1

* For variations on HORIZONTAL CURVE and CREST VERTICAL CURVES, See tables below.

ALGEBRAIC DIFFERENCE IN GRADE (%)	VERTICAL CURVE LENGTH IN METERS										
	30	60	90	120	150	180	240	300	375	450	600
	SPACING EACH SIDE OF ROADWAY IN METERS										
0.5	65	90	120	120							
1.0	45	70	85	100	115	120					
1.5	35	55	70	80	90	100	120	120			
2.0	30	45	60	70	80	90	100	115	120		
2.5		40	50	60	70	75	90	100	115	120	
3.0		35	45	55	60	65	80	90	100	115	120
4.0		30	35	45	50	60	70	80	90	95	100
5.0			35	40	45	50	60	70	75	80	90
6.0			30	35	40	45	55	60	70	75	80
7.0				30	35	40	50	55	60	70	75
9.5					30	35	40	45	50	60	70
12.0						30	35	40	45	50	60

RADIUS OF CURVE	SPACING ON EACH SIDE OF ROADWAY IN METERS		
	ON CURVE	IN ADVANCE OF & BEYOND CURVE	
		FIRST SPACE	SECOND SPACE
2000	90	120	120
900	65	115	120
600	50	95	120
450	45	80	120
350	40	70	120
290	35	60	105
220-250	30	55	90
175-200	25	50	80
145-160	25	45	75
100-135	20	40	65
70-95	18	35	55
65 & less	15	30	45



NO SCALE

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

METRIC DETAIL

**TRAFFIC DELINEATORS
OREGON PROJECTS**

DETAIL APPROVED FOR USE 3/1996

REVISOR: _____

DETAIL
WM633-5

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