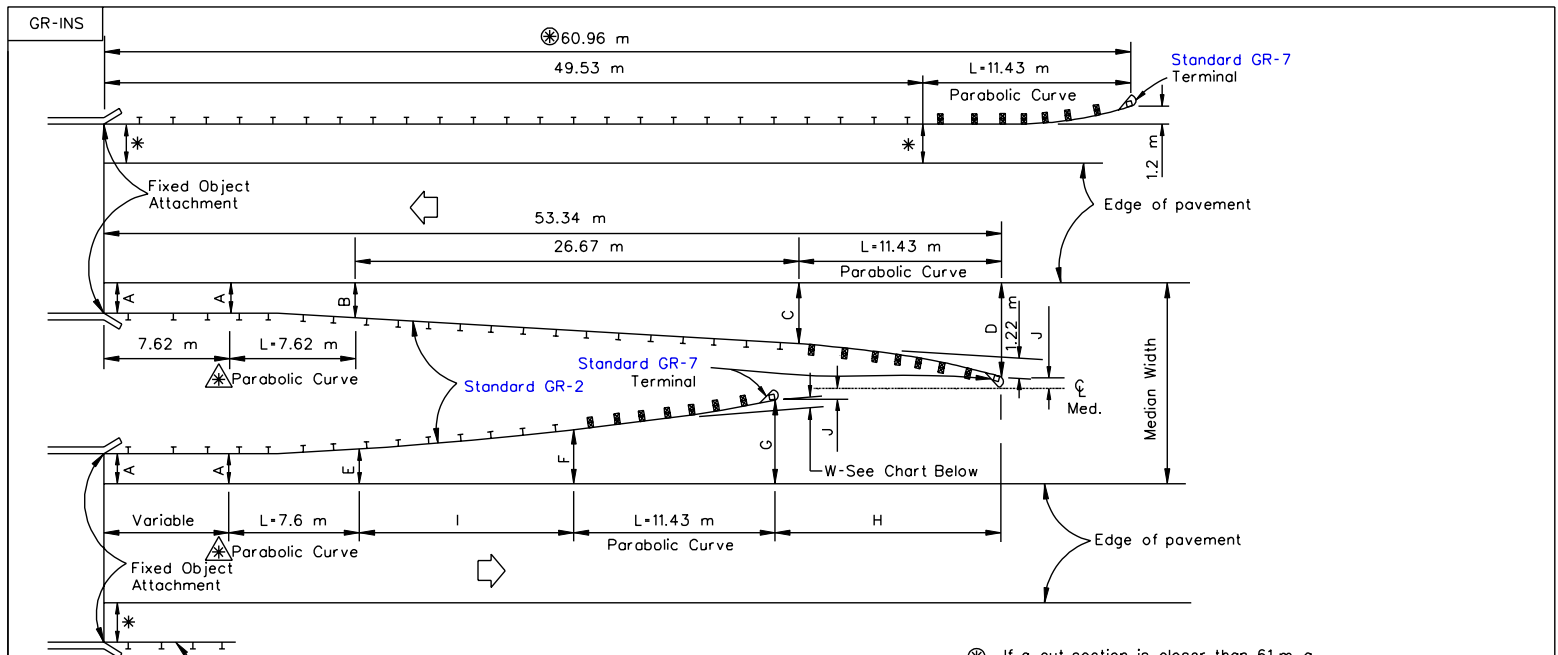


REVISED ON 3/03



As needed
(No Guardrail is required on runoff
unless needed to shield a
hazardous object.)

- ⊗ If a cut section is closer than 61 m, a reduced length and St'd. GR-6 terminal are to be used. A minimum length of guardrail of 15.24 m (plus terminal) is required.
- ☆ See Table III, page 501.23 of the Road and Bridge Standards for definition of "X" and "Y".
- ⚠ Values less than 0.15 m between A&B, A&E are not on parabolic curve.
- * Right Bridge Offset Values are given in geometric standards for corresponding left Bridge Offset ("A" Dimensions) shown.

DIMENSIONS											
MEDIAN WIDTH (Meters)	LEFT BRIDGE RAIL OFFSET (m)	B (m)	C (m)	D (m)	E (m)	F (m)	G (m)	H (m)	I (m)	J (m)	W (m)
9.00	1.5	1.68	2.13	3.35	1.65	1.83	2.44	16.45	10.21	1.2	6.00
12.00	1.5	1.83	3.20	4.88	1.83	3.05	4.88	13.41	13.10	1.2	7.60
12.00	2.4	2.56	3.50	5.18	2.68	3.29	5.18	14.63	11.88	.9	10.60
12.00	3.6	3.71	3.96	5.18	3.77	3.96	4.87	14.78	11.58	.9	9.10

☆ OFFSETS (Y) FOR INTRODUCED GUARDRAIL TRANSITIONS									
LENGTH L (Meters)	X	Y (mm)							
		W (mm)	W (mm)	W (mm)	W (mm)	W (mm)	W (mm)	W (mm)	W (mm)
7.62	X 1	1,905	5	15	15	20	20	30	30
	X 2	3,810	35	55	75	65	85	100	115
	X 3	5,715	85	125	170	165	190	225	265
	X 4	7,620	150	225	300	270	335	405	475
11.43	X 5	9,525				420	530	630	740
	X 6	11,430				600	750	900	1050

DETAIL OF GUARDRAIL AT DUAL BRIDGES

Sheet 2 of 8

W BEAM GUARDRAIL INSTALLATION CRITERIA		SPECIFICATION REFERENCE
REVISED 8/97	VIRGINIA DEPARTMENT OF TRANSPORTATION	221 505
501.31	UNLESS OTHERWISE NOTED, ALL DIMENSIONS ON THIS SHEET ARE IN MILLIMETERS	