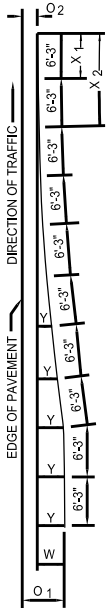
TABLE IV
OFFSETS (Y) FOR CONTINUOUS RUN-ON GUARD RAIL TRANSITIONS AND ALL RUN-OFF TRANSITIONS

LENGTH L	X	Y																					
		W=2'		W=3'		W=4'		W=5'		W=6'		W=7'		W=8'		W=9'		1=10'		W=11'		W=12'	
		RUN ON	RUN OFF	RUN ON	RUN OFF	RUN ON	RUN OFF	RUN ON	RUN OFF	RUN ON	RUN OFF	RUN ON	RUN OFF	RUN ON	RUN OFF	RUN ON	RUN OFF	RUN ON	RUN OFF	RUN ON	RUN OFF	RUN ON	RUN OFF
37 50'	1 X 6 25'	0 04	0 04	0 02	0 02	0 00	0 00	0 00	0 00	0 00	0 01	0 00	0 01	0 00	0 01	0 00	0 01	0 00	0 01	0 00	0 01	0 00	0 01
	2 X 12 50'	0 30	0 30	0 19	0 19	0 03	0 03	0 02	0 04	0 01	0 05	0 01	0 05	0 01	0 06	0 01	0 07	0 01	0 08	0 01	0 09	0 01	0 09
	3 X 18 75'	1 00	1 00	0 63	0 63	0 11	0 11	0 07	0 13	0 05	0 16	0 036	0 18	0 03	0 21	0 03	0 24	0 03	0 26	0 04	0 29	0 04	0 32
	4 X 25 00'	1 70	1 70	1 50	1 50	0 25	0 25	0 16	0 31	0 11	0 38	0 08	0 44	0 06	0 50	0 07	0 56	0 08	0 63	0 09	0 68	0 09	0 75
	5 X 31 25'	1 96	1 96	2 37	2 37	0 49	0 49	0 31	0 61	0 22	0 73	0 16	0 85	0 12	0 98	0 14	1 10	0 15	1 22	0 17	1 34	0 18	1 46
	6 X 37 50'	2 00	2 00	2 81	2 81	0 84	0 84	0 54	1 05	0 38	1 27	0 26	1 46	0 21	1 69	0 24	1 90	0 26	3 35	0 29	2 32	0 32	2 53
50 00'	7 X 43 75'			2 98	2 98	1 34	1 34	0 86	1 67	0 60	2 01	0 44	2 34	0 33	2 68	0 38	3 01	0 42	5 00	0 46	3 68	0 50	4 02
	8 X 50 00'			3 00	3 00	2 00	2 00	1 28	2 50	0 89	3 00	0 65	3 50	0 50	4 00	0 56	4 50	0 63	6 65	0 69	5 50	0 75	6 00
75 00'	9 X 56 25'					2 66	2 66	1 82	3 33	1 27	3 99	0 93	4 66	0 71	5 32	0 80	5 99	0 69	7 69	0 98	7 32	1 07	7 98
	10 X 62 50'					3 16	3 16	2 50	3 95	1 74	4 73	1 28	5 52	0 96	6 31	1 10	7 10	1 22	8 78	1 34	8 68	1 46	9 47
	11 X 68 75'					3 51	3 51	3 18	4 39	2 31	5 27	1 70	6 15	1 30	7 02	1 46	7 90	1 62	9 38	1 79	9 66	1 95	10 54
	12 X 75 00'					3 75	3 75	3 72	4 69	3 00	5 63	2 20	6 56	1 69	7 50	1 90	8 44	2 11	9 74	2 32	10 31	2 53	11 25
87 50'	13 X 81 25'					3 89	3 89	4 14	4 87	3 69	5 84	2 80	6 82	2 15	7 79	2 41	8 76	2 68	9 92	2 95	10 71	3 22	11 68
	14 X 87 50'					3 97	3 97	4 46	4 96	4 26	5 95	3 50	6 95	2 68	7 94	3 01	8 93	3 35	9 99	3 68	10 91	4 02	11 91
100 00'	15 X 93 75'					4 00	4 00	4 69	5 00	4 73	5 99	4 20	6 99	3 30	7 99	3 71	8 99	4 123	10 00	4 53	10 99	4 94	11 99
	16 X 100 00'					4 00	4 00	4 84	5 00	5 11	6 00	4 80	7 00	4 00	8 00	4 50	9 00	5 00	8 00	5 50	11 00	6 00	12 00
125 00'	17 X 106 25'							4 93		5 40		5 30		4 70		5 29		5 88		6 47		7 06	
	18 X 112 50'							4 98		5 63		6 19		5 32		5 99		6 65		7 32		7 98	
	19 X 118 75'							5 00		5 78		6 07		5 85		6 59		7 32		8 05		8 78	
	20 X 125 00'							5 00		5 89		6 35		6 31		7 10		7 89		8 68		9 47	
150 00'	21 X 131 25'									5 95		6 56		6 70		7 54		8 38		9 21		10 05	
	22 X 137 50'									5 99		6 72		7 02		7 90		8 78		9 66		10 54	
	23 X 143 75'									6 00		6 84		7 29		8 20		9 11		10 02		10 93	
	24 X 150 00'									6 00		6 92		7 50		8 44		9 38		10 31		11 25	
175 00'	25 X 156 25'											6 97		7 67		8 62		9 58		10 54		11 50	
	26 X 162 50'											6 99		7 79		8 76		9 74		10 71		11 68	
	27 X 168 75'											7 00		7 88		8 86		9 85		10 83		11 82	
	28 X 175 00'											7 00		7 94		8 93		9 92		10 91		11 91	
200 00'	29 X 181 25'													7 99		8 97		9 97		10 96		11 96	
	30 X 187 50'													7 97		8 99		9 99		10 99		11 99	
	31 X 193 75'													8 00		9 00		10 00		11 00		12 00	
	32 X 200 00'													8 00		9 00		10 00		11 00		12 00	



$$Y = 4W \frac{X^3}{L^3}$$

GUARD RAIL INSTALLATION CRITERIA AS SHOWN ON THESE SHEETS IS TO APPLY TO THOSE LOCATIONS WHERE GUARD RAIL IS SPECIFED ON PLANS OF DIRECTED BY THE ENGINEER

LENGTH OF TRANSITION (L) IS TO BE IN ACCORDANCE WITH TABLE III OR IV FOR APPLICABLE VALUES OF W OR AS DIRECTED BY THE ENGINEER

ALL LENGTHS (L) ARE APPLIED ALONG FACE OF GUARD RAIL

OFFSETS SHOWN IN TABLES ARE FOR 6'-3" SPACING FOR 12'-6" SPACING USE EVERY SECOND VALUE FOR Y

OFFSET TRANSITIONS SHOWN ON TABLES III & IV DO NOT APPLY TO STRAIGHT LINE TRANSITIONS WHEN SLOPE STANDARDS ARE SPECIFIED ON PLANS

REFERENCE: FOR MORE INFORMATION ON GUARD RAILS SEE AASHTO "GUIDE FOR SELECTING, LOCATING AND DESIGNING TRAFFIC BARRIERS"

TYPICAL W BEAM GUARD RAIL INSTALLATION CRITERIA	DATE	FIGURE 2-30q