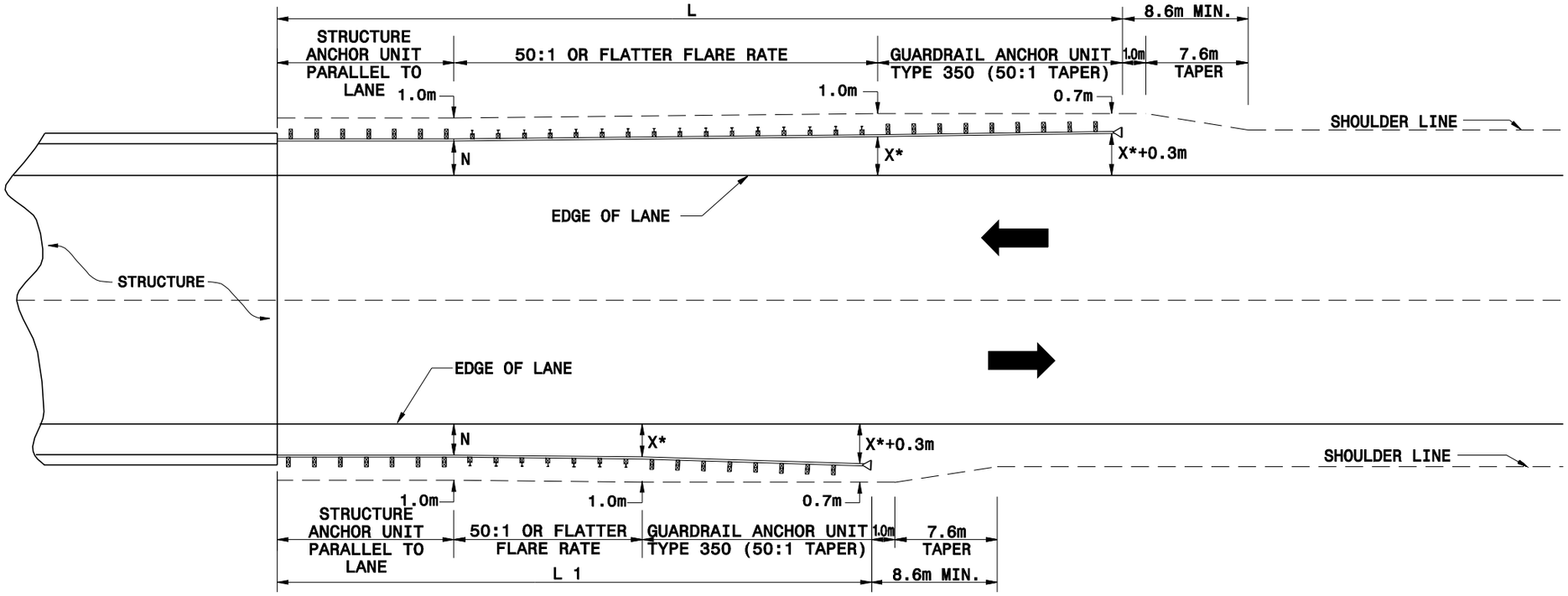
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

7-06

METRIC STANDARD DRAWING FOR
GUARDRAIL PLACEMENT



* USE FLARE RATE AS THE CONTROL IF THE "X" DISTANCE IS NOT OBTAINED. ("X" IS BASED ON SHOULDER WIDTHS IN THE HIGHWAY DESIGN BRANCH MANUAL, PART 1, 1-4B, F1).

"N"= DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL WHERE GUARDRAIL IS PARALLEL TO LANE.

SEE STD. 862.03 FOR STRUCTURE ANCHOR UNITS

GUARDRAIL INSTALLATION AT BRIDGE APPROACHES FOR TWO-LANE, TWO-WAY TRAFFIC

DESIGN SPEED (km/h)	"L" APPROACH LENGTH (m)				"L1" TRAILING LENGTH (m)			
	DESIGN YEAR ADT		CURRENT YEAR ADT		DESIGN YEAR ADT		CURRENT YEAR ADT	
	OVER 2000	1001-2000	400-1000	UNDER 400	OVER 2000	1001-2000	400-1000	UNDER 400
110	110.490	110.490	106.680	87.630	57.150	57.150	53.340	22.860
100	91.440	87.630	83.820	68.580	41.910	41.910	30.480	22.860
80	64.770	64.770	60.960	49.530	26.670	22.860	22.860	22.860
60	53.340	45.720	41.910	34.290	22.860	22.860	22.860	22.860
X *	2.4	1.8	1.2	1.2	2.4	1.8	1.2	1.2

LENGTHS AND OFFSETS FOR PROPOSED GUARDRAIL AT TWO LANE - TWO WAY LOCATIONS

Note:
This drawing is dimensioned in millimeters unless otherwise depicted within the drawing.

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