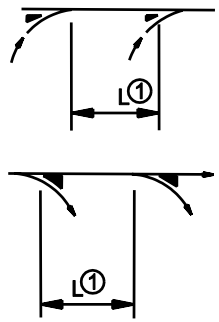
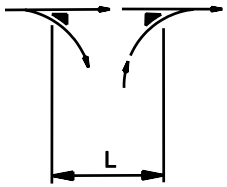
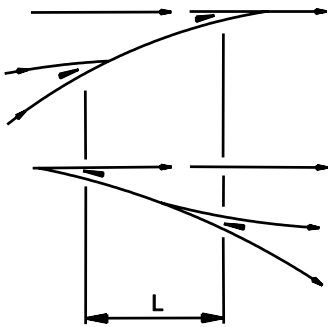
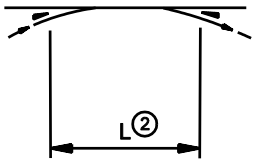
EN-EN OR EX-EX		EX-EN		DIRECTIONAL RAMPS		EN-EX (WEAVING)			
									
FULL FREEWAY CDR OR FDR		FULL FREEWAY	CDR OR FDR	SYSTEM INTER-CHANGE	SERVICE INTER-CHANGE	SYSTEM TO SERVICE INTERCHANGE		SERVICE TO SERVICE INTERCHANGE	
EN-EN	EX-EX					FULL FWY.	CDR OR FDR	FULL FWY.	CDR OR FDR
MINIMUM LENGTHS (L) MEASURED BETWEEN SUCCESSIVE RAMP TERMINALS (ft)									
1000	800	500	400	800	600	2000	1600	1600	1000

NOTE: FDR - FREEWAY DISTRIBUTOR ROAD
CDR - COLLECTOR-DISTRIBUTOR ROAD

EN - ENTRANCE
EX - EXIT

① DISTANCE IS MEASURED FROM THE END OF TAPER TO THE GORE AND DESIRABLY SHOULD BE 700' OR MORE.

② FOR CLOVERLEAF LOOP RAMPS THIS DISTANCE SHOULD DESIRABLY BE 1000'.

The recommendations are based on operational experience and need for flexibility and adequate signing. They should be checked in accordance with the procedure outlined in the Highway Capacity Manual and Chapter Forty-one. The larger of the values is suggested for use. Also, a procedure for measuring the length of he weaving section is given in Chapter 4 of the Highway Capacity Manual.

RECOMMENDED MINIMUM RAMP TERMINAL SPACING

Figure 48-3B