

Design Speed (km/h)	Merging- Taper Rate
30	10:1
40	10:1
50	15:1
60	20:1
70	45:1
80	50:1
90	55:1
100	60:1
110	70:1

Taper Type		Minimum Taper Length
Upstream	Merging Taper (Lane Drop)	L
	Lane-Shift Taper	$\frac{1}{2} L$
	Shoulder Taper	$\frac{1}{3} L$
	Two-Way Traffic Taper	30 m
Downstream		15 m / lane ²

Notes:

1. Taper Length, L = Merging-Taper Rate $\times$ Offset Distance
- ² The desirable length is 30 m / lane.
3. Figure 76-2C illustrates the various types of tapers.

LONGITUDINAL TAPER RATE AND LENGTH

Figure 76-2B