

DESIGN ELEMENT	DESIRABLE	MINIMUM
Lane Width	3.6 m	Same as that required for through lane
Shoulder Width	Same as approach roadway.	Freeway: Same as approach roadway (1) Non-Freeway: 1.2 m paved
Cross Slope on Tangent	3%	2%
Beginning of Full-Width Lane	Near the PVC of the vertical curve preceding the grade.	At the PVT of the grade.
End of Full-Width Lane (2)	To where truck has reached highway design speed or 90 km/h, whichever is less.	To where truck has reached 15 km/h below highway design speed or 75 km/h, whichever is less.
Entering Taper	30 m	30 m
Exiting Taper	50:1	150 m
Minimum Full-Width Length	N/A	300 m

Notes:

- (1) *On reconstruction projects, a 1.8-m shoulder may be used.*
- (2) *Use Figure 44-2B to determine truck deceleration rates. Use Figure 44-2C to determine truck acceleration rates. Also, see discussion in Section 44-2.03.*

DESIGN CRITERIA FOR CLIMBING LANES

Figure 44-2A