

Facility	Design Speed (mph)	Design Year AADT	Slope
All Freeways and Other Multi-Lane Divided Highways	All	All	10:1
Other Roadways	$\geq 55$	$\geq 6000$	10:1
	$\geq 55$	$< 6000$	6:1
	$45 \leq \text{speed} < 55$	All	6:1
	$< 45$	$\geq 12,000$	6:1
	$< 45$	$< 12,000$	4:1

Notes:

1. *This figure applies to ditch checks, median crossovers, driveways and public road approaches.*
2. *Culverts within the clear zone under these embankments should have grated inlets and outlets, which are placed on slopes no steeper than shown above.*

## TRANSVERSE SLOPES

**Figure 49-3A**