

Appendix “A”

2009 Transportation Standards						
	Standard Residential Roads		Industrial Roads	Major Urban Roads		
	Local	Feeder & Minor Collector	Standard Industrial	Collector & Tertiary, Secondary & Primary Arterials		
Design Speed (km/hr)	60	60	60	60	70	90
Min. Super-Elevated Horizontal Curve Radius (metre)						
e = -0.02				210	300	750
e = 0.00				190	280	475
e = 0.02				170	230	420
e = 0.03				160	220	400
e = 0.04				150	200	380
e = 0.06				130	190	340
Min. Stopping Sight Distance (m)	130	130	130	130	180	260
K-Crest Min. (m)	15	15	15	15	25	50
Illuminated	8	8	-	-	-	
K-Sag Min. (m)	18	18	18	18	25	40
Illuminated (m)	5	5	-	-	-	
Grade (%) - minimum	1.0	1.0	1.0	1.0	1.0	1.0
- maximum	8.0	8.0	6.0	6.0	6.0	6.0

Notes:

A maximum super-elevation of 0.02 is recommended for urban local streets and a maximum of 0.06 for all other urban roads by the Transportation Association of Canada (TAC).

e = Pavement super-elevation (tangent of the angle)

k = The length of a section of curve measured horizontally over which there is a 1% change of gradient.