



## **South Frontenac Road & Lane Standard Cross Section Specifications**

The following dimensions should be adhered to when conducting private road or lane upgrades. Should you have additional questions about these guidelines, please contact the Public Services Department ext. 4331.

	<b>Public Road Standard</b>	<b>Private Lane Standard</b>
<b>Right of Way Width</b>	20.0 m (66 feet)	20.0 m (66 feet)
<b>Height of Clearing</b>	5.0 m (16 feet)	5.0 m (16 feet)
<b>Width of Clearing</b>	11.0 m (36 feet)	6.0 m (20 feet)
<b>Surface Width</b>	6.7 m (22 feet)	4.5 m (15 feet)
<b>Surface Material</b>	Per Table Below	Crushed Stone
<b>Depth of Material, Minimum</b>	(150 mm) 6" of Granular A (300 mm) 12" of Granular B	(100 mm) 4" of Granular A (150 mm) 6" of Granular B
<b>Shoulder, including Rounding</b>	1.0 m (3 feet)	Nil
<b>Crown, Minimum</b>	2%	1%
<b>Cross Culvert, Minimum</b>	400 mm (16 inches)	300 mm (12 inches)
<b>Culvert Material</b>	CSP/HDPE	CSP/HDPE
<b>Maximum Grade</b>	10% (1 in 10)	12% (1 in 8)
<b>Geometrics</b>	TAC Standards	Safe Passage of Emergency Vehicles
<b>Ditches, Minimum Depth from Crown to Bottom of Ditch</b>	0.6 m (2 feet)	0.3 m (1 foot)
<b>Embankment Protection (edge of surface drop off):</b>	Required for side slopes greater than 3:1 and depths of fill greater than 3 m (MTO Roadside Safety Manual)	

<b>Traffic Volume</b>	<b>Surface Type</b>	<b>Minimum Depth</b>
<200	Crushed Gravel	375 mm (15 inches)
200-1000	Double Surface Treatment	N/A
>1000	Asphalt	As per Development Guidelines

### **Definitions**

- CSP: Corrugated Steel Pipe
- HDPE: High Density Polyethylene (Double Wall)
- TAC: Transportation Association of Canada