



## 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 at 613-376-3027 or via email to [pwsupport@southfrontenac.net](mailto:pwsupport@southfrontenac.net)

|   | Public Road Standard   | Private Lane Standard                                  |
|---|--|--|
| <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<br>(300 mm) 12" of Granular B  | (100 mm) 4" of Granular A<br>(150 mm) 6" of Granular B |
| <b>Shoulder, including Rounding</b>                         | 1.0 m (3 feet)   | N/A  |
| <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) |  |

| Traffic Volume | Surface Type             | Minimum Depth                 |
|----------------|--------------------------|-------------------------------|
| <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