

SCHEDULE 1

DEFINITIONS**LEVEL OF SERVICE:**

A rating system consisting of six levels of services are used for capacity analysis (see **Table 5 - Level of Service Characteristics by Highway Type on page 14**). Level of Service "A" represents the best operating conditions, and level of service "F" the least favourable conditions. Level of service "A" represents free flow, with individual users virtually unaffected by the presence of other users in the traffic stream. Level of service "B" is the range of stable flow, with the presence of other users in the traffic stream beginning to affect the freedom to manoeuvres. Level of service "C" is the range of stable flow, but operations of individual users, speeds, and freedom to manoeuvre are significantly affected by others in the traffic stream. The general level of comfort and convenience declines noticeably at this level. Level of service "D" represents high-density, but stable, flow. Speed, freedom to manoeuvre, level of comfort, and convenience are severely restricted. Small increases in traffic flow will generally cause operational problems. Level of service "E" represents operations at or near the capacity level. Freedom to manoeuvre and comfort and convenience levels are extremely poor. Operations at this level are usually unstable because small increases in flow or minor perturbations within the traffic stream will cause breakdowns. Level of service "F" is used to define forced or breakdown flow. Operations are characterized by stop-and-go waves and are extremely unstable.

TRAFFIC OPERATIONS DEFINITIONS:***Design Speed:***

A speed selected for purposes of design and correlations of those features of a highway, such as curvature, superelevation and sight distance, upon which the safe operation of vehicles is dependent.

Operating Speed:

The highest overall speed at which a driver can travel on a given highway under favourable conditions without at any time exceeding the safe speed as determined by the design speed on a section by section basis.

Traffic Operations Definitions Source: Chapter G - RTAC Manual of Geometric Design Standards for Canadian Roads (1986 Metric Edition)