

TRANSPORTATION PLANNING

Policy / Standard: TP 2 / 98

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Date: February 2, 1998

**Subject: BASIC DESIGN AND
CROSS-SECTION STANDARDS**

Approved:



Deputy Minister

POLICY:

The Basic Design and Cross-section Standards (for new construction and major reconstruction) for rural provincial highways.

PURPOSE:

To provide basic design and cross-section standards to ensure province-wide consistency in the construction and major reconstruction of highways within the same road classification. Additional transportation planning policies have been developed that pertain to basic design standards and cross-sections for **Shoulder Width, Paved Shoulders and Shoulder Edge Treatments**. These policies should be referred to in conjunction with the attached **Table 1 "Basic Design Standards for Provincial Highways (For New and Major Reconstruction)"** and the **Basic Cross-sections** for the various classifications of rural provincial highways shown in the attached **Figures BCS 1 to 9**.

The methodology and reasoning behind the development of this policy is explained in Appendix B of the Transportation Planning Manual.

PROCEDURE:

Except for "Parkway" and "Suburban Highway" special category provincial routes, road designs for all new construction and major reconstruction will conform to the basic design standards (see **Table 1**) for the following elements based on road classification:

- number of lanes
- design speed
- curvature
- vertical curve
- gradient
- stopping sight distance
- passing sight distance
- surface type
- lane width
- shoulder width
- roadbed width
- median width
- right of way
- structure width
- structure loading
- structure - vertical clearance