

1989, TRANS TRIP GENERATION

Summary:

The TRANS Trip Generation Manual is a summary document consisting of trip generation rates and relationships for a wide range of land uses, guidelines and procedures for the use of these rates and supplementary background information. The Manual is supported by the information contained in **TRANS Trip Generation Technical Report** October 1989, which includes the background data, procedures and rationale used in the development of this Manual.

The Summary Manual and Technical Report are the result of a thorough review of local, national and North American studies, current literature and reference material. In developing the documents, key input and guidance was received from a Steering Committee established by the TRANS Committee. The TRANS Committee is a joint technical committee on transportation systems planning with representation from the following agencies:

- Regional Municipality of Ottawa-Carleton,
- Communauté régionale de l'Outaouais,
- Ottawa-Carleton Regional Transit Commission,
- Commission de transport de la Communauté régionale de l'Outaouais,
- Ministry of Transportation, Ontario,
- Ministère Des Transportations du Québec, and
- National Capital Commission.
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The TRANS Trip Generation Study was initiated by the TRANS Committee with the purpose of further enhancing the modelling and planning capabilities of the participating agencies. This study includes a thorough update of the previous Special Generator Analysis Study undertaken for TRANS in 1979.

The Trip Generation Manual is primarily a tabular summary of trip generation rates for key land uses in the National Capital Area. As well, it contains a discussion on the guidelines and procedures to be followed in the application of the trip generation rates.

Also, for those land uses where data were available, both person trip rates and vehicle trip rates are identified. Person trip rates permit the user to account for site or community specific characteristics with respect to transit ridership and vehicle occupancy.

It is important to recognize that some of the trip rates contained in this Manual are based on a limited number of observations and that all trip rates represent average values. It is therefore important that care and judgement be used in the application of the trip rates contained herein as significant variations can occur between different sites of similar land use. For those land uses where the user requires more precision or greater confidence in a specific trip generation rate, it is recommended that additional local traffic trip generation data be obtained.

The format of the TRANS Trip Generation Manual is as follows: Section 1.0 is a general introduction to the Manual. Section 2.0 describes the guidelines and procedures to be used with the trip generation rates. Section 3.0 is a tabular summary of trip generation rates and relationships for land uses in the National Capital Area. Section 4.0 contains additional information concerning the derivation of the trip rates contained in section 3.0. In addition, a list of references used in the development of the Manual is appended to the report.

The "Comments" columns in the tables found in Section 3.0 contain numbers which are used for reference purposes. These numbers reference the supporting information contained in Section 4.0. As well, a "Land Use Code" column is provided in each table which coincides with those codes used in the ITE Trip Generation Manual (4th Edition). These are provided to facilitate comparison of vehicle trip generation rates between the TRANS Trip Generation Manual and the ITE Trip Generation Manual (4th Edition).