

Appendix I: Road Rationalization Criteria

This appendix outlines the **quantitative criteria** used to assess and prioritize roads as part of the County's Road Rationalization Study. The criteria are divided into two categories: **Connectivity** and **Road Characteristics**. Each criterion is assigned a **weighted score** to help establish a draft County Road Network based on function and strategic value.

A. Connectivity Criteria

1. Connection to Major Urban Centres / Built-Up Areas

- Includes Settlement Areas identified in the Official Plan (OP), the City of Windsor (including proximity to the international border), and the Municipality of Chatham–Kent.

Weighting:

- 4 points – Route connects two or more major centres, or a major centre to a King's Highway or major-tier road
- 3 points – Route connects a major centre to a secondary settlement area and links to a King's Highway or major-tier road
- 2 points – Route connects two secondary settlement areas

2. Connection to Heavy Industrial or Employment Areas

- Includes access to significant employment zones such as greenhouse operations, manufacturing plants, aggregate areas, hospitals, universities/colleges, and airports.

Weighting:

- 2 points – Route connects these areas and links to routes identified in Criterion 1
- 1 point – Route connects these areas to a secondary settlement
- **Bonus points may be applied** based on documented truck volumes

3. Proximity to Traffic Generators

- Routes that connect to or lie within 4.0 km of high-volume traffic generators such as conservation areas, national parks, beaches, golf courses, or vineyards (i.e., >700 vehicles per day).

Weighting:

- 1 point

4. Bypass Function

- Routes that serve to alleviate traffic congestion in urban areas by providing bypass capability or alternate travel corridors.

Weighting:

- 2 points
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B. Road Characteristic Criteria

1. Posted Speed Limit

- Roads with a posted speed limit of 80 km/h or higher.

Weighting:

- 1 point

2. Road Surface

- Routes with a hard-top (paved) surface.

Weighting:

- 0.5 point

3. Traffic Volume (AADT – Annual Average Daily Traffic)

Weighting:

- 0.5 points – 1,000 to 3,000 vehicles/day
- 1.0 point – 3,000 to 5,000 vehicles/day
- 1.5 points – 5,000 to 10,000 vehicles/day
- 2.0 points – >10,000 vehicles/day

4. Right-of-Way Width

Weighting:

- 1.0 point – Right-of-way width greater than 20 metres