

## 2.2.11 STREET ELEMENT CONDITION DEFINITIONS

The Street Element Condition Definitions below are used to describe the relevant desired conditions per typology and to audit an existing street. Ratings for each element are graded from 1 to 5. The rating reflects the level of accommodation or level of service for that street element.

### *Pedestrian Realm*

	URBAN	RURAL
1	<ul style="list-style-type: none"><li>• No sidewalk or multi-use path (MUP)*</li></ul>	<ul style="list-style-type: none"><li>• Possible granular/soft shoulder</li></ul>
2	<ul style="list-style-type: none"><li>• 1.5 m pedestrian clearway (may be adjacent to curb)</li></ul>	<ul style="list-style-type: none"><li>• 1.2 m paved shoulder</li></ul>
3	<ul style="list-style-type: none"><li>• 1.8 m pedestrian clearway with 0.5 m edge zone (measured from back of curb) or</li><li>• 3.0 m MUP with 0.6 m edge zone</li><li>• Street trees/furnishing zone if feasible</li></ul>	<ul style="list-style-type: none"><li>• 1.5 m paved shoulder</li></ul>
4	<ul style="list-style-type: none"><li>• 2.0 m pedestrian clearway with 1.0 m edge zone or</li><li>• 3.5 m MUP with 1.5 m edge zone</li><li>• Street trees and pedestrian amenities in planting/furnishing zone</li></ul>	<ul style="list-style-type: none"><li>• 3.0 m MUP, physically separated from travelled portion of roadway</li></ul>
5	<ul style="list-style-type: none"><li>• 2.5 m pedestrian clearway with 1.0 m edge zone</li><li>• Animated pedestrian corridor with street trees, pedestrian amenities, active street frontages and public art</li></ul>	<ul style="list-style-type: none"><li>• 3.0 m MUP, beyond clear zone of road</li></ul>

\* Also known as a multi-use trail (MUT)

## Cycling Facilities

	URBAN	RURAL
1	<ul style="list-style-type: none"> <li><b>No cycling facilities</b>, sub-standard facilities, or facilities that are not contextually appropriate (based on Book 18 nomograph)</li> </ul>	<ul style="list-style-type: none"> <li>Possible granular/soft shoulder</li> </ul>
2	<ul style="list-style-type: none"> <li><b>Shared operations</b>, preferably on roadway with no marked centreline.</li> <li>Posted speed: Max 40 km/h (30 km/h preferred)</li> <li>Volume: Max 3,000 ADT (&lt;1,500 ADT preferred)</li> </ul>	<ul style="list-style-type: none"> <li><b>1.2 m paved shoulder</b></li> </ul>
3	<ul style="list-style-type: none"> <li><b>Bike lane</b>, buffered bike lane, or advisory bike lane, in conditions supported by Book 18 nomograph; <i>or</i></li> <li><b>Separated bike lane</b>, cycle track, or MUP, minimum <b>1.5 m</b> (one way), <b>3.0 m</b> (two way). Separation may be semi-permeable (e.g. flex bollards or mountable curb)</li> </ul>	<ul style="list-style-type: none"> <li><b>1.5 m paved shoulder</b> <i>or</i></li> <li>Advisory bike lane</li> </ul>
4	<ul style="list-style-type: none"> <li>Separated bike lane, cycle track, or MUP, minimum <b>1.8 m</b> (one way), <b>3.5 m</b> (two way)</li> <li>Separation elements are non-permeable (e.g. barrier curb, low-wall concrete barrier)</li> <li>Minimum <b>0.6 m</b> buffer or edge zone</li> </ul>	<ul style="list-style-type: none"> <li><b>Buffered paved shoulder</b> <i>or</i></li> <li><b>3.0 m MUP, physically separated</b> from travelled portion of roadway</li> </ul>
5	<ul style="list-style-type: none"> <li>Cycle track or MUP, minimum <b>2.0 m</b> (one way), <b>4.0 m</b> (two way)</li> <li>Minimum <b>1.5 m</b> edge zone (may be reduced to 1.0 m for one-way cycle tracks on 40-50 km/h roads)</li> </ul>	<ul style="list-style-type: none"> <li><b>3.0 m MUP, beyond clear zone</b> of road</li> </ul>

## Transit Service

1	<ul style="list-style-type: none"><li>• <b>No transit service</b> or transit service where stop has no hard surface pad</li></ul>
2	<ul style="list-style-type: none"><li>• Local transit service.</li><li>• Some stops have <b>hard surface pad</b> allowing passenger boarding/ alighting from all doors</li></ul>
3	<ul style="list-style-type: none"><li>• Frequent local transit service.</li><li>• Most stops have <b>hard surface pads, shelters and basic amenities</b></li></ul>
4	<ul style="list-style-type: none"><li>• Frequent local service or limited stop express service with significant <b>transit priority elements</b> (e.g. queue jump lanes, transit signal priority)</li><li>• Most stops have <b>enhanced amenities</b> (e.g. interior heating, real-time arrival information, fare vending machines)</li></ul>
5	<ul style="list-style-type: none"><li>• Rapid transit service with <b>dedicated transit lanes</b> and comprehensive priority measures</li><li>• Most stops have <b>enhanced amenities</b> consistent with category 4</li></ul>

## Through Movement (Vehicles and Freight)

	URBAN	RURAL
1	<ul style="list-style-type: none"> <li>Design treatments promote slow speeds and divert through traffic.</li> <li>No marked centreline.</li> <li>Drivers may need to alternate directions, yielding to oncoming traffic.</li> </ul>	<ul style="list-style-type: none"> <li><b>Less than 6.0 m pavement</b></li> <li>No paved shoulder</li> </ul>
2	<ul style="list-style-type: none"> <li>Maximum <b>one lane per direction</b>, two lanes total (mid-block).</li> <li>Centreline may or may not be marked.</li> <li>No continuous centre turn lane. May include auxiliary turn lane at intersections.</li> </ul>	<ul style="list-style-type: none"> <li>6.0 to 7.0 m pavement</li> <li>Centreline may or may not be marked</li> <li><b>No paved shoulder</b></li> </ul>
3	<ul style="list-style-type: none"> <li>Maximum one lane per direction, three lanes total (mid-block).</li> <li>May include <b>continuous centre turn lane</b>. May include auxiliary turn lanes at intersections.</li> <li>Total mid-block lane width &lt; 10 m (excluding bike lanes and dedicated parking lanes).</li> </ul>	<ul style="list-style-type: none"> <li>Two lane roadway with marked centreline</li> <li>Minimum <b>1.0 m paved shoulders</b></li> </ul>
4	<ul style="list-style-type: none"> <li><b>Maximum two lanes per direction</b>, four or five lanes total (mid-block).</li> <li>May include centre median or continuous centre turn lane. May include auxiliary turn lanes at intersections.</li> <li>Total mid-block lane width &lt; <b>16 m</b>.</li> </ul>	<ul style="list-style-type: none"> <li>Two lane roadway with marked centreline</li> <li>Minimum <b>1.5 m paved shoulders</b></li> </ul>
5	<ul style="list-style-type: none"> <li><b>More than two lanes per direction</b> or more than five lanes total. <i>or</i></li> <li>Two or more left turn lanes at intersections.</li> <li>Total mid-block lane width <b>&gt;= 16 m</b></li> </ul>	<ul style="list-style-type: none"> <li>Three or more lane roadway</li> </ul>

## On-Street Parking

1	<ul style="list-style-type: none"><li>• <b>On-street parking is not provided</b></li></ul>
2	<ul style="list-style-type: none"><li>• Permanent or <b>off-peak</b> parking if there is sufficient space in the ROW and demand cannot be met with off-street supply.</li><li>• Parking may be provided in <b>specific locations</b> only (where needed, or where curbside space is available), and <b>may not be provided on every block</b>. Parking may be on one or both sides of the street.</li></ul>
3	<ul style="list-style-type: none"><li>• Permanent or <b>off-peak</b> parking is provided.</li><li>• Parking is <b>provided on most blocks</b> along the majority of the curb on one or both sides of the street.</li></ul>
4	<ul style="list-style-type: none"><li>• <b>Permanent parking on one side</b> of the street in dedicated parking lane, typically with curb bulb-outs at intersections and crossings.</li><li>• Passenger drop-off, freight loading, and accessible parking where required</li></ul>
5	<ul style="list-style-type: none"><li>• <b>Permanent parking on both sides</b> of the street in dedicated parking lane with curb bulb-outs at intersections and crossings.</li><li>• Passenger drop-off, freight loading, and accessible parking where required.</li></ul>

## Green Infrastructure

1	<ul style="list-style-type: none"><li>• Street trees and stormwater management practices are not actively provided.</li><li>• Tree canopy fails to meet coverage guideline.</li><li>• Planting arrangement has substandard soil volumes and planting configuration</li></ul>
2	<ul style="list-style-type: none"><li>• Tree canopy at maturity meets coverage guideline in some locations.</li><li>• Design incorporates low impact development features where possible.</li></ul>
3	<ul style="list-style-type: none"><li>• Tree canopy at maturity meets coverage guideline in most locations.</li><li>• Species diversity is achieved.</li><li>• Design incorporates low impact development features where possible</li></ul>
4	<ul style="list-style-type: none"><li>• Tree canopy at maturity exceeds coverage guideline.</li><li>• Species diversity is achieved.</li><li>• Design incorporates low impact development features</li></ul>
5	<ul style="list-style-type: none"><li>• Tree canopy at maturity exceeds coverage guideline</li><li>• Sustainability, resilience and ecological principles are primary themes of the design.</li><li>• Low impact development features incorporated in a comprehensive manner</li></ul>

*Note: refer to any tree canopy coverage requirements during any street audits*