

# Criteria for Identification and Evaluation of Alternative Design Concepts

# Transportation Criteria



Criteria	Indicators
<p><b>Maintains ability to address problem and opportunity</b></p>	<p><b>Improves traffic operations</b></p> <ul style="list-style-type: none"> <li>• Accommodates existing capacity for vehicular traffic</li> <li>• Accommodates future (2041) capacity for vehicular traffic</li> </ul>
	<p><b>Improves traffic safety</b></p> <ul style="list-style-type: none"> <li>• Facilitates lower traffic speeds</li> <li>• Reduces potential for and/or severity of collisions among road users</li> </ul>
	<p><b>Encourages some trucks to use other truck routes</b></p> <ul style="list-style-type: none"> <li>• Introduces measures to encourage trucks travelling northwest to use alternative truck routes in advance of Caledon East</li> </ul>
	<p><b>Improves road geometrics</b></p> <ul style="list-style-type: none"> <li>• Improves road alignment</li> </ul>
	<p><b>Maintains emergency response time</b></p> <ul style="list-style-type: none"> <li>• Avoids or limits barriers to emergency routes</li> <li>• Accommodates emergency vehicles in road design</li> </ul>
	<p><b>Conforms to transportation planning policies and plans:</b></p> <ul style="list-style-type: none"> <li>• Consistent with Region of Peel Long Range Transportation Plan (2019)</li> <li>• Consistent with Region of Peel Sustainable Transportation Strategy (2018)</li> <li>• Consistent with Region of Peel Vision Zero Road Safety Strategic Plan (2018 - 2022)</li> <li>• Consistent with Town of Caledon Transportation Planning Study (2014)</li> </ul>

# Natural Environment Criteria



Criteria	Indicators
<p><b>Complies with Provincial environmental planning policies</b></p>	<ul style="list-style-type: none"> <li>• Adheres to Oak Ridges Moraine Conservation Plan (2017)</li> <li>• Adheres to Greenbelt Plan (2017)</li> <li>• Adheres to Niagara Escarpment Plan (2017)</li> </ul>
<p><b>Avoids or reduces negative impacts on natural heritage features and wildlife and wildlife habitat</b></p>	<ul style="list-style-type: none"> <li>• Environmentally sensitive land affected:               <ul style="list-style-type: none"> <li>• Local environmentally significant areas,</li> <li>• Locally, provincially and unevaluated significant wetlands, and</li> <li>• Provincial areas of natural and scientific interest</li> </ul> </li> <li>• Trees to be removed or replaced</li> <li>• Potential impact on watercourse crossings</li> <li>• Potential impact on plant, wildlife and aquatic species and habitat</li> <li>• Potential impact on plant, wildlife and aquatic species at risk and habitat</li> </ul>
<p><b>Introduces opportunity to protect or enhance natural heritage features and wildlife and wildlife habitat</b></p>	<ul style="list-style-type: none"> <li>• Potential for wildlife crossings</li> </ul>
<p><b>Maintains or reduces risk for natural hazards (e.g., erosion and flooding)</b></p>	<ul style="list-style-type: none"> <li>• Potential extent of sediment erosion</li> <li>• Area of impervious surface contributing to storm water runoff</li> <li>• Hydraulic capacity of crossing culverts</li> <li>• Potential treatment of storm water runoff before entering creeks</li> </ul>
<p><b>Protects sources of drinking water</b></p>	<ul style="list-style-type: none"> <li>• Wellhead Protection Area affected</li> </ul>
<p><b>Provides opportunity to adapt to or mitigate the effects of climate change</b></p>	<ul style="list-style-type: none"> <li>• Potential for Low Impact Development in storm water management</li> <li>• Potential to reduce greenhouse gas emissions</li> </ul>

# Healthy Communities and Social, Cultural and Economic Criteria



Criteria	Indicators
<b>Provides for active transportation</b>	<ul style="list-style-type: none"> <li>• Adds or enhances infrastructure for walking and cycling</li> </ul>
<b>Promotes healthy, age-friendly and accessible environments</b>	<ul style="list-style-type: none"> <li>• Reduces risk of chronic conditions through active transportation</li> <li>• Supports age-friendly and accessible living</li> <li>• Reduces risk of respiratory and cardiovascular outcomes associated with exposure to traffic related air pollution</li> <li>• Avoids or reduces noise impacts</li> </ul>
<b>Conforms to Municipal planning policies and community plans</b>	<ul style="list-style-type: none"> <li>• Consistent with Region of Peel Official Plan (2016) and growth management policies</li> <li>• Consistent with Town of Caledon Official Plan (2018) and Caledon East Community Improvement Plan (2014)</li> </ul>
<b>Compatible with existing and planned future land uses</b>	<ul style="list-style-type: none"> <li>• Maintains the function of existing and planned future land uses</li> </ul>
<b>Avoids or reduces property impacts (including cultural heritage and economic impacts)</b>	<ul style="list-style-type: none"> <li>• Private properties impacted</li> <li>• Buildings or structures displaced</li> <li>• Property accesses affected (removed, consolidated or modified)</li> <li>• Avoids or reduces negative impacts on cultural heritage and archaeological features</li> <li>• Supports local economic sustainability</li> </ul>
<b>Supports goods movement</b>	<ul style="list-style-type: none"> <li>• Consistent with Region of Peel Goods Movement Strategic Network (2017)</li> <li>• Accommodates transport trucks in road design</li> </ul>
<b>Reduces complexity of construction</b>	<ul style="list-style-type: none"> <li>• Avoids major conflict with utilities and municipal infrastructure</li> <li>• Potential impacts of staging required</li> <li>• Construction cost (including design, permits, utility, property, staging, construction, monitoring)</li> <li>• Operations and maintenance cost</li> </ul>