

Question	Answer / Explanation
<i>What is the purpose of this?</i>	A <b>Transportation Impact Analysis (TIA)</b> is an evaluation of the effects a proposed development is expected to have on the existing road network. The study is intended to recommend mitigation measures to address travel demands generated by the development, if necessary.
<i>Who should prepare this?</i>	A <b>TIA</b> should be prepared by a qualified transportation consultant. The report must be stamped, dated and signed by a Professional Engineer.
<i>When is this required?</i>	<p>This study may be required when a development proposal includes conditions for bonusing, a reduction in parking standards and any impacts to the road network. It may also be required as part of the following applications:</p> <ul style="list-style-type: none"> <li>• Official Plan Amendment</li> <li>• Zoning By-law Amendment</li> <li>• Draft Plan of Subdivision / Condominium</li> <li>• Site Plan Control</li> <li>• Severance and/or Minor Variance</li> </ul>
<i>Why do we need this?</i>	<p>The <b>TIA</b> is required to:</p> <ul style="list-style-type: none"> <li>• support the intent of the Official Plan policies</li> <li>• provide staff with a basis on which to assess the transportation implications of the proposed development</li> <li>• provide a basis on which to evaluate the appropriateness of the scale of the proposed development</li> <li>• provide a basis on which to evaluate safe and efficient access and traffic flow</li> <li>• provide recommendations for improvements to infrastructure, service upgrades and mitigation measures to reduce any negative impacts of a development.</li> </ul>
<i>How should this be prepared?</i>	<p>A TIA should be based on established transportation planning and traffic engineering principles. The study should also be supplemented by any available local data and experience, as well as displaying the relevant goals and policies in the local Official Plans. As such, the study should explore a multi-modal approach to transportation planning including cyclists, pedestrians, and transit.</p> <p>The following items are generally included, but not limited to:</p> <ul style="list-style-type: none"> <li>• contact information: property owner and consultant</li> <li>• study assumptions: horizon years and analysis periods, traffic data collections</li> </ul>

	<ul style="list-style-type: none"> <li>• existing conditions: site and area description, study area description, road network, traffic volumes, transit service, bicycle and pedestrian facilities, traffic intersection operations</li> <li>• future background traffic conditions: planned road network improvements, background traffic growth, background development traffic, future background intersection operations</li> <li>• proposed development: site concept plan, site access, phasing plan</li> <li>• future total conditions with development: vehicular trip generation, trip distribution, future total traffic intersection operations, queuing analysis, warrants (traffic control signals, roundabouts, etc.), etc.</li> <li>• site traffic impacts</li> <li>• preliminary design review, parking, loading zones, truck movements</li> <li>• conclusions and recommendations</li> </ul>
<p><i>What else should we know?</i></p>	<p>Pre-consultation or discussion with County Development Engineering staff is required prior to commencement of the TIA. Applicants and/or their consultants <u>are required</u> to submit a full scope of work proposal for review and approval by Development Engineering staff.</p> <p>Pre-consultation with County staff and other review and clearance agencies such as the Ministry of Transportation and other adjacent municipalities where applicable, is necessary to confirm any study requirements specific to their development proposal.</p> <p>Additional content not listed here may also be necessary to meet the specific requirements of the planning application.</p>
<p><i>What other resources are available?</i></p>	<ul style="list-style-type: none"> <li>• <a href="#">County of Brant – Budget and Capital Forecast</a></li> <li>• <a href="#">County of Brant - Terms of Reference for Transportation Impact Studies and Functional Design Studies: Development and Engineering Standards (2018) as amended.:</a></li> <li>• <a href="#">County of Brant - Transportation Master Plan</a></li> <li>• <a href="#">County of Brant - Official Plan</a></li> <li>• <a href="#">County of Brant – Entrance By-law 176-99 (as amended)</a></li> </ul>