## WISDOT-SUPPORTED TRAFFIC ANALYSIS TOOLS

<table>
<thead>
<tr>
<th>Software</th>
<th>Version/Build/Release</th>
<th>Vendor</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HCM-Based Deterministic Tools</strong></td>
<td></td>
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<tr>
<td>HCS7</td>
<td>Version 7.9</td>
<td>McTrans</td>
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<tr>
<td>Synchro 11</td>
<td>Version 11.0.168</td>
<td>Trafficware, a CUBIC Company</td>
<td>Requires prior approval from WisDOT regional traffic engineer</td>
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<tr>
<td>SIDRA Intersection 9</td>
<td>Version 9.0.3.9771</td>
<td>Akcelik &amp; Associates</td>
<td>Supported only for roundabout analyses</td>
</tr>
<tr>
<td>Vistro 2020</td>
<td>Version 2020.00-08</td>
<td>PTV Group</td>
<td>Requires prior approval from WisDOT regional traffic engineer</td>
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<tr>
<td><strong>CAP-X 2018 Tool</strong></td>
<td>Version 3.0.0</td>
<td>FHWA-SA-18-067</td>
<td>Supported only for supplemental or planning-level analyses. Requires prior approval from WisDOT regional traffic engineer.</td>
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<tr>
<td><strong>Signal Optimization Tools</strong></td>
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<td><strong>Microsimulation Tools</strong></td>
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<td>Vissim 2020</td>
<td>Version 2020.00-11</td>
<td>PTV Group</td>
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<tr>
<td>SimTraffic 11</td>
<td>Version 11.0.168</td>
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<td><strong>Travel Time Reliability Analysis Tools</strong></td>
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**NOTES:**

1. The Traffic Engineering, Operations, and Safety Manual, Chapter 16, Section 10 ([TEOpS 16-10](#)) provides guidance on selecting the appropriate software tool to utilize for the evaluation of project-specific traffic analyses.
2. Coordinate with the WisDOT regional traffic engineer for consideration of the use of different versions/build/release of the above software.
3. In general, use the same version/build/release of the software for the duration of the project. Coordinate with WisDOT regional traffic engineer prior to upgrading the software tool.
4. Do not switch from one software tool to another without first consulting with WisDOT BTO-TASU ([DOTTrafficModelingAnalysis@dot.wi.gov](mailto:DOTTrafficModelingAnalysis@dot.wi.gov)).