

WISDOT-SUPPORTED TRAFFIC ANALYSIS TOOLS

Last Updated: November 21, 2023

Software	Version/Build/Release	Vendor	Notes
<i>HCM-Based Deterministic Tools</i>			
HCS2023	Release 8.2	McTrans	
Synchro 11	Version 11.1.3.32	Trafficware, a CUBIC Company	
SIDRA Intersection 9.1	Version 9.1.4.221	Akcelik & Associates	Supported only for roundabout analyses
Vistro 2024	Version 2024.00-01	PTV Group	Requires prior approval from WisDOT regional traffic engineer
CAP-X 2018 Tool	Version 3.0.1	FHWA-SA-18-067	Supported only for supplemental or planning-level analyses. Requires prior approval from WisDOT regional traffic engineer.
<i>Signal Optimization Tools</i>			
Synchro 11	Version 11.1.3.32	Trafficware, a CUBIC Company	
Vistro 2024	Version 2024.00-01	PTV Group	Requires prior approval from WisDOT regional traffic engineer
<i>Microsimulation Tools</i>			
Vissim 2024	Version 2024.00-02	PTV Group	
SimTraffic 11	Version 11.1.3.32	Trafficware, a CUBIC Company	
<i>Travel Time Reliability Analysis Tools</i>			
HCS2023	Release 8.2	McTrans	
<i>Work Zone Traffic Analysis</i>			
Work Zone Traffic Analysis Tool – Annual Delay	Version 4.2	WisDOT	For use on freeways and expressways
Work Zone Traffic Analysis Tool – Weekly Delay	Version 4.2	WisDOT	For use on freeways and expressways
NOTES:			
<ol style="list-style-type: none"> 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. Coordinate with the WisDOT regional traffic engineer for consideration of the use of different versions/build/release of the above software 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. Do not switch from one software tool to another without first consulting with WisDOT BTO-TASU (DOTTrafficModelingAnalysis@dot.wi.gov) For more information on the WZTAT, refer to the work zone website. 			