

# Terry Woodman

Engineering Technician, Transportation Journey  
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 Department of Civil and Environmental Engineering



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<b>Education</b>	University of Wisconsin-Platteville, B.S. Geography, 2003 Madison Area Technical College, A.D. Commercial Art, 1979
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<b>Positions Held</b>	<p>2005 – present    Engineering Technician, Transportation Journey, University of Wisconsin, Civil &amp; Environmental Engineering Department, Traffic Operation and Safety Lab, Madison, WI</p> <ul style="list-style-type: none"> <li>• Coordinate the production of the Wisconsin Department of Transportation (WisDOT), weekly road construction map, including preparing contracts and maintaining subscriber database.</li> <li>• Proposed and coordinated the implementation of digitizing microfilmed accident reports to be accessed through the TOPS lab's WisTransportal.</li> <li>• Create ArcGIS maps at the direction of the engineers of the WisDOT Bureau of Highway Operations, Traffic Section.</li> <li>• Create ArcGIS maps for researchers and graduate students.</li> <li>• Coordinate the permitting of oversize/overweight loads traveling through the state, including verifying routing.</li> <li>• Created procedure manuals for production of the state road construction maps and for permitting of oversize/overweight trucks.</li> </ul> <p>2001-2005        Engineering Technician / GIS Intern, City of Beloit, WI</p> <ul style="list-style-type: none"> <li>• Assisted Plant Engineer of the Water Resources Division with gathering and compiling field data to improve accuracy of sanitary and storm sewer maps</li> <li>• Operated Trimble Pathfinder Pro XR (6 months) to locate sewer manholes and water valves to update the City's GIS maps. Over 85% of the City's west side data was collected</li> <li>• Televised sanitary sewers to diagnose problems through state of the art computerized self-propelled sewer televising equipment</li> <li>• Interpreted written survey plat descriptions for computer and manual maps</li> <li>• Prepared ArcGIS maps in the Engineering Division for several departments</li> <li>• Assisted the Metropolitan Planning Organization Director with Beloit's urban planning and land use to include creating maps defining projected growth, and in estimating the impact on</li> </ul>
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	<p>neighboring communities</p> <ul style="list-style-type: none"> <li>• Compiled U.S. Census data for transportation study analysis</li> <li>• Drafted maps manually for the Engineering Division</li> </ul>
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<p><b>Selected Current Projects</b></p>	<p>Conversion of Microfilmed Accident Reports to a Digital Format for Placement on Wisconsin Traffic Operations and Safety Lab's WisTransPortal</p> <p>In order to maximize the efficiency of both Wisconsin Department of Transportation (WisDOT) staff and other users of crash data, a new system for requesting and receiving crash reports is needed. Current digital scanning technology, available to WisDOT, will allow for the electronic storage of crash reports in a database that can be quickly accessed by interested parties. The creation of an online, digital crash report database will not only reduce the load on WisDOT staff, but it will also enhance the ability of interested parties to access needed data faster and thus increase their efficiency. While the process of digitizing crash reports currently on microfilm may be time consuming, the benefits from such a project will benefit a vast range of professionals and academics for years to come.</p> <hr/> <p>Provide support at the Wisconsin DOT central office, regarding the weekly detour map publication. I also assist the TOPS lab in determining options for map modernization. The main goal is to be able to electronically publish these maps, making them easier to update and distribute to anyone interested in up-to-date detour information.</p> <p>The current paper maps us a basic state highway map, on which construction detours are overlaid using orange ink. This current method is both costly, and very time consuming. However, paper copies will still be produced once the maps become electronic—mainly for the trucking firms statewide.</p>
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<p><b>Professional Service</b></p>	<p>Wisconsin Land Information Association – Member</p> <p>Association of American Geographers – Former Member</p>
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