

Safety Performance Measures and Targets **Sheboygan Metropolitan Planning Area**

The Bay-Lake Regional Planning Commission staff has analyzed crash data within the Sheboygan metropolitan planning area for calendar years 2014 through 2018. Two main sources were used in analyzing the data: (1) crash data from the Traffic Operations and Safety Laboratory at UW Madison for 2014 through 2018; and (2) Fatality Analysis Reporting System (FARS) data from the National Highway Traffic Safety Administration (NHTSA) for 2014 through 2017. Countywide vehicle miles of travel (VMT) data for 2014 through 2018 were obtained from the Wisconsin Department of Transportation (WisDOT) in order to determine fatality and serious injury rates; all countywide VMT figures were adjusted to the metropolitan planning area based on output from the WisDOT Northeast Region travel demand forecast model.

The following statistics show the five required safety performance measures for the Sheboygan metropolitan planning area versus how statewide performance measures would fare when adjusted to the VMT for the metropolitan planning area:

2014 - 2018 Safety Performance Measure Statistics	Actual Crash Statistics for the Sheboygan Metropolitan Planning Area	Statewide Statistics Applied to VMT of Sheboygan Metropolitan Planning Area
Average Annual Fatalities	4.0	5.5
Average Annual Fatality Rate*	0.666	0.906
Average Annual Serious Injuries	19.2	29.0
Average Annual Serious Injury Rate*	3.196	4.826
Average Annual Non-Motorized Fatalities and Serious Injuries	2.8	3.4
*Per 100 Million Vehicle Miles of Travel.		
Source: Traffic Operations and Safety Laboratory, UW Madison (2014 through 2018); National Highway Traffic Safety Administration (NHTSA), Fatality Analysis Reporting System (FARS) Encyclopedia (2014 through 2017); Wisconsin Department of Transportation, Vehicle Miles of Travel (VMT) by County (2014 through 2018); Wisconsin Department of Transportation, Northeast Region Travel Demand Forecast Model Output; and Bay-Lake Regional Planning Commission, 2017, 2018 and 2019.		

As can be seen in the above table, all of the safety performance measure statistics in the Sheboygan metropolitan planning area are below statewide statistics applied to the VMT of the metropolitan planning area.

Federal regulations regarding safety performance target setting give MPOs the choice of either setting their own targets for their metropolitan planning area or supporting their state's targets. A combination of both MPO targets and support of state targets is also allowed.

Since all safety performance measure statistics in the Sheboygan metropolitan planning area are below statewide statistics applied to the VMT of the metropolitan planning area, Bay-Lake Regional Planning Commission staff would recommend supporting WisDOT's safety performance targets for 2020 (as opposed to setting independent performance targets). These include the following reductions from the 2014 – 2018 average annual statistics to 2020:

- A **2%** reduction in average annual fatalities;
- A **2%** reduction in the average annual fatality rate;
- A **5%** reduction in average annual serious injuries;
- A **5%** reduction in the average annual serious injury rate; and
- A **5%** reduction in non-motorized fatalities and serious injuries.