

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 2013 through 2017. Two main sources were used in analyzing the data: (1) crash data from the Traffic Operations and Safety Laboratory at UW Madison for 2013 through 2017; and (2) Fatality Analysis Reporting System (FARS) data from the National Highway Traffic Safety Administration (NHTSA) for 2013 through 2016. Countywide vehicle miles of travel (VMT) data for 2013 through 2017 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:

2013 - 2017 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	3.8	5.3
Average Annual Fatality Rate*	0.649	0.934
Average Annual Serious Injuries	18.8	29.4
Average Annual Serious Injury Rate*	3.211	5.037
Average Annual Non-Motorized Fatalities and Serious Injuries	3.2	3.4
*Per 100 Million Vehicle Miles of Travel.		
Source: Traffic Operations and Safety Laboratory, UW Madison (2013 through 2017); National Highway Traffic Safety Administration (NHTSA), Fatality Analysis Reporting System (FARS) Encyclopedia (2013 through 2016); Wisconsin Department of Transportation, Vehicle Miles of Travel (VMT) by County (2013 through 2017); Wisconsin Department of Transportation, Northeast Region Travel Demand Forecast Model Output (2010, 2015 and 2025); and Bay-Lake Regional Planning Commission, 2017 and 2018.		

As can be seen in the above table, the following safety performance measure statistics in the Sheboygan metropolitan planning area are significantly below statewide statistics applied to the VMT of the metropolitan planning area: average annual fatalities; the average annual fatality rate; average annual serious injuries; and the average annual serious injury rate. On the other hand, average annual non-motorized fatalities and serious injuries are only slightly 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 2019 (as opposed to setting independent performance targets). These include the following reductions from the 2013 – 2017 average annual statistics to 2019:

- 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.