

## Summary of Delaware’s 2020 Safety Performance Measure Target Setting

In compliance with FHWA requirements for establishing safety performance measure (SPM) targets, the Delaware Department of Transportation (DelDOT), Delaware Office of Highway Safety (OHS) and Delaware State Police (DSP) have collaborated to develop targets for the five safety performance measures established by FHWA.

### Target Development Methodology

During 2015, DelDOT, OHS, DSP, and other statewide safety partners collaborated in the development of the *2015 Delaware Strategic Highway Safety Plan: Toward Zero Deaths*, which provides a framework to reduce fatalities and serious injuries resulting from crashes on Delaware’s roadways. The 2015 SHSP established a multi-year overall goal which includes annual target reductions (see graphic at right).

In 2017, DelDOT and OHS performed extensive data and trendline analyses to identify potential methodologies for establishing Delaware’s 2018 SPM targets and met with FHWA and NHTSA representatives to review the data and establish the 2018 SPM targets. At that time, DelDOT and OHS agreed to use the annual target reductions included in Delaware’s 2015 SHSP overall goal as the basis for developing Delaware’s 2018 SPM targets. In March 2018, DelDOT, OHS, and DSP reconvened to establish Delaware’s 2019 SPM targets and agreed to follow the same methodology used for the 2018 SPM targets. Having established an agreed upon methodology for the 2018 and 2019 SPM targets, the three agencies coordinated in Spring 2019 to set 2020 SPM targets. As shown in the table below, the number of fatalities and serious injuries in 2018 were reduced by 3 and 15 per year, respectively, to obtain target values for 2019 and 2020. Consistent methodologies were applied to establish the target values for the rate of fatalities, rate of serious injuries, and combined number of non-motorized fatalities and serious injuries. The 2016 through 2020 values were then averaged to calculate the 2020 five-year rolling average target values.

**OVERALL GOAL**

The goal of the *Delaware Strategic Highway Safety Plan: Toward Zero Deaths* is to achieve a reduction of at least 3 fatalities and 15 serious injuries annually and continue to reduce the total number of fatalities and serious injuries to achieve at least a 50 percent reduction by 2035.

| Year  | SPM # 1<br>Number of<br>Fatalities | SPM # 2<br>Rate of<br>Fatalities | SPM # 3<br>Number of<br>Serious<br>Injuries | SPM # 4<br>Rate of<br>Serious<br>Injuries | SPM # 5<br>Combined Number of Non-<br>Motorized Fatalities &<br>Serious Injuries |
|---|------------------------------------|----------------------------------|---|---|--|
| 2016  | 119                                | 1.17                             | 593   | 5.84                                      | 93   |
| 2017  | 119                                | 1.23                             | 477   | 4.93                                      | 79   |
| 2018  | 111                                | 1.13                             | 376   | 3.84                                      | 94   |
| 2019 (projected value)                        | 108                                | 1.09                             | 361   | 3.64                                      | 91   |
| 2020 (projected value)                        | 105                                | 1.05                             | 346   | 3.45                                      | 88   |
| <b>2016 - 2020 Rolling<br/>Average Target</b> | <b>112.4</b>                       | <b>1.134</b>                     | <b>430.6</b>                                | <b>4.340</b>                              | <b>89.0</b>  |

Delaware’s 2020 safety performance measure targets based on 5-year rolling averages are summarized below:

#### *SPM #1: Number of Fatalities*

Delaware’s 2020 5-year rolling average target for the number of fatalities is **112.4**.

#### *SPM #2: Rate of Fatalities*

Delaware’s 2020 5-year rolling average target for the rate of fatalities (per 100 million vehicle miles traveled) is **1.134**.

#### *SPM #3: Number of Serious Injuries*

Delaware’s 2020 5-year rolling average target for the number of serious injuries is **430.6**.

#### *SPM #4: Rate of Serious Injuries*

Delaware’s 2020 5-year rolling average target for the rate of serious injuries (per 100 million vehicle miles traveled) is **4.340**.

#### *SPM #5: Combined Number of Non-Motorized Fatalities and Serious Injuries*

Delaware’s 2020 5-year rolling average target for the combined number of non-motorized fatalities and serious injuries is **89.0**.

