



NC Capital Area Metropolitan Planning Organization

Staff Report

One City Plaza
421 Fayetteville Street
Suite 203
Raleigh, NC 27601

Agenda Date: 3/5/2020
To: Technical C

Agenda Item: 5.9

Safety Performance Measures and Targets FY20

Alex Rickard, MPO Staff

As part of the rule making for MAP-21 and the FAST Act, State DOTs and MPOs are required to adopt the following five safety performance measures:

- Number of fatalities
- Rate of fatalities (per 100 million VMT)
- Number of serious injuries
- Rate of serious injuries (per 100 million VMT)
- Number of non-motorized (Pedestrian & Bicycle) fatalities and non-motorized serious injuries

MPOs are required to establish performance targets for each of these measures. MPOs are further required to establish their targets not later than 180 days after the State DOT establishes and reports targets in the State Highway Safety Improvement Program (HSIP) annual report. The MPO can agree to plan and program projects so that they contribute toward the accomplishment of the NCDOT HSIP target or develop their own quantifiable targets with a methodology consistent with Federal reporting requirements.

NCDOT submitted their Highway Safety Improvement Program annual report to FHWA on August 31, 2019. The MPO has until February 27, 2020 to develop its own safety performance targets or adopt those established by NCDOT.

NCDOT's 2020 Safety Targets

Highway Safety Improvement Program (HSIP)

- For the 2020 Highway Safety Improvement Program (HSIP), the goal is to reduce total fatalities by 6.23 percent each year from 1,396.4 (2014-2018 average) to 1,227.8 (2016-2020 average) by December 31, 2020.
- For the 2020 Highway Safety Improvement Program (HSIP), the goal is to reduce the fatality rate by 5.39 percent each year from 1.211 (2014-2018 average) to 1.084 (2016-2020 average) by December 31, 2020.
- For the 2020 Highway Safety Improvement Program (HSIP), the goal is to reduce total serious injuries by 8.54 percent each year from 3,362.6 (2014-2018 average) to 2,812.8 (2016-2020 average) by December 31, 2020.
- For the 2020 Highway Safety Improvement Program (HSIP), the goal is to reduce the serious injury rate by 7.64 percent each year from 2.886 (2014-2018 average) to 2.462 (2016-2020 average) by December 31, 2020.
- For the 2020 Highway Safety Improvement Program (HSIP), the goal is to reduce the total non-motorized fatalities and serious injuries by 7.13 percent each year from 494.6 (2014-2018 average) to 426.6 (2016-2020 average) by December 31, 2020.

Requested Action: Review safety performance targets and agree to plan and program projects that contribute toward the accomplishment of the State's targets.