



February 19, 2019

AGENDA ITEM 4B

CRTPA SAFETY TARGETS AND PERFORMANCE MEASURES

TYPE OF ITEM: Consent

STATEMENT OF ISSUE

The purpose of this item is to review the “Safety” Performance Targets for the Capital Region Transportation Planning Area (CRTPA) for the following five (5) safety performance measures adopted by the Federal Highway Administration (FHWA) in 2017 for all public roads:

1. Number of fatalities;
2. Rate of fatalities per 100 Million Vehicle Miles Traveled (VMT);
3. Number of serious injuries;
4. Rate of serious injuries per 100 Million VMT; and
5. Number of non-motorized fatalities and non-motorized serious injuries.

RECOMMENDATIONS BY CRTPA COMMITTEES

The CRTPA’s two (2) committees (Citizens Multimodal Advisory Committee and Technical Advisory Committee) both met on February 5, 2019 and voted unanimously with a quorum present to recommend approval of the CRTPA safety targets and performance measures.

RECOMMENDED ACTION

Option 1: Adopt the CRTPA staff recommended Safety Targets.

HISTORY AND ANALYSIS

Nationally, state-specific, and locally, transportation plans exist to enhance safety for all users of the transportation system. A coordinated effort to connect all of the safety plans has long been in effect in the transportation realm, but over the last two years, a system of Performance Management has led to a greater push for comprehensive and coordinated transportation and safety planning.

Performance Measures for Safety were developed by the FHWA, for which targets were established cooperatively between the FDOT and MPO’s within the State of Florida (as well as nationally). The Performance Measures are outlined in **Table 1** Below.

Table 1: FHWA Adopted Safety Performance Measures

Performance Measure	Description
Number of fatalities	The total number of persons suffering fatal injuries in a motor vehicle crash during a calendar year.
Rate of fatalities per 100 Million Vehicle Miles Traveled (VMT)	The ratio of total number of fatalities to the number of vehicle miles traveled (VMT, in 100 Million VMT) in a calendar year.
Number of serious injuries	The total number of persons suffering at least one serious injury in a motor vehicle crash during a calendar year.
Rate of serious injuries per 100 Million VMT	The ratio of total number of serious injuries to the number of VMT (in 100 Million VMT) in a calendar year.
Number of non-motorized fatalities and non-motorized serious injuries	The combined total number of non-motorized fatalities and non-motorized serious injuries involving a motor vehicle during a calendar year.

In August of 2017, the FDOT adopted a target of “Zero” for the five (5) safety performance measures adopted by the Federal Highway Administration (FHWA) for all public roads. FDOT adopted the same target of, “Zero” again in 2018 (shown in **Table 2** below).

Table 2: 2017 & 2018 FDOT Adopted Safety Targets

FDOT Adopted Measures	Target
Number of fatalities	0
Rate of fatalities per 100 Million Vehicle Miles Traveled (VMT)	0
Number of serious injuries	0
Rate of serious injuries per 100 Million VMT	0
Number of non-motorized fatalities and non-motorized serious injuries	0

Upon adoption by the Florida Department of Transportation (FDOT) of a target of “Zero”, the CRTPA, along with all the other Metropolitan Planning Organizations in the State of Florida, were given 180 days to adopt their targets for the safety measures.

2018 CRTPA SAFETY TARGETS

Utilizing data provided to the CRTPA from FDOT and the FHWA, staff established an average result for each performance measure from the years 2012 through 2016. The averages were utilized as the 2018 target and performance measure for each Safety Measure and are shown in **Table 3** below. These Safety Performance Measures and Targets were adopted on February 20, 2018 .

Table 3: 2018 CRTPA Adopted Safety Targets and Interim Performance Measures

Draft Safety Performance Measures	Target and Performance Measure
Number of fatalities	56
Rate of fatalities per 100 Million Vehicle Miles Traveled (VMT)	1.279
Number of serious injuries	266
Rate of serious injuries per 100 Million VMT	7.313
Number of non-motorized fatalities and non-motorized serious injuries	44

RECENT ACTIONS

2019 CRTPA SAFETY TARGETS

Utilizing data provided to the CRTPA early this year from FDOT and the FHWA (provided in **Attachment 1**), staff established an average result for each performance measure from the years 2013 through 2017. The averages were utilized as the 2019 target and performance measure for each Safety Measure. The resulting recommended measures are shown below in **Table 4** and are slightly lower than those adopted in the previous year. A fluctuation up or down is expected as the 4-year average rolls forward due not only to a change in the newly appearing year, but also to the drop of the earliest year’s raw data from the new average.

Table 4: 2019 CRTPA Interim Performance Measures

Draft Safety Performance Measures	Target and Performance Measure
Number of fatalities	54
Rate of fatalities per 100 Million Vehicle Miles Traveled (VMT)	1.203
Number of serious injuries	258
Rate of serious injuries per 100 Million VMT	5.842
Number of non-motorized fatalities and non-motorized serious injuries	43.8

NEXT STEPS

Upon adoption of the 2019 CRTPA Safety Performance Measures and Targets, CRTPA staff will forward the action to the FDOT and FHWA.

OPTIONS

- Option 1: Adopt the CRTPA staff recommended Safety Targets and Interim Performance Measures (Recommended)

- Option 2: CRTPA Board Discretion.

ATTACHMENTS

- Attachment 1: Data Sheet for Florida MPOs, including 2009-2017

