

UPDATE ON SAFETY PERFORMANCE MEASURES AND TARGETS

Summary

The Federal Highway Administration requires the annual submission of safety performance measure targets by state Departments of Transportation and Metropolitan Planning Organizations. The five federal safety performance measures are listed below:

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

H-GAC by resolution (Resolution 2019-05, February 22, 2019) agreed to support the State's efforts to achieve its safety performance measure targets. Supporting the State's efforts includes using the same or similar methodology to set safety performance measure targets.

In 2020, the Texas Department of Transportation changed the methodology it uses to set its safety performance measure targets. The new State methodology uses 5-year rolling averages to set the targets for State safety performance measures. Accordingly, H-GAC has adopted a similar methodology to calculate the regional safety performance measure targets. H-GAC's methodology uses Texas Department of Transportation Crash Record Information System data from 2016 to 2020 to calculate a 5-year rolling average for the 2021 targets.

The 2021 H-GAC safety performance measure targets must be submitted to the Texas Department of Transportation by February 26, 2021.

Current Situation

Table 1 shows the H-GAC safety performance measure targets for 2021, as well as 2019 and 2020 targets and observed totals. Table 2 provide background on the calculation of H-GAC 2021 safety performance measure targets. The State's 2021 safety performance measure targets as shown in Table 3 for reference.

Action Requested

For information only.

Table 1: H-GAC Safety Performance Measure Results

Performance Measure	2019 Targets	2019 Actuals†	2020 Targets	2020 Actuals†	2021 Targets
Fatalities	699	661	728	710	674
Fatality Rate	1.0	1.0	1.1	1.2	1.1
Serious Injury	3,568	3,380	3,293	3,280	3,287
Serious Injury Rate	5.1	5.3	5.0	5.6	5.2
Non-Motorized Fatalities & Serious Injuries ††	581	733	537	646	648

† Actuals based on TxDOT CRIS data as of January 4, 2021; 2019 and 2020 Fatality Rates and Serious Injury Rates based on projected Annual VMT

†† Non-Motorized Fatalities and Serious Injuries Targets were incorrectly calculated for 2019 and 2020. The revised numbers represent what the 2019 and 2020 targets should have been.

Table 2: H-GAC Safety Performance Measure Target Calculations

Year	Target: Total Number of Traffic Fatalities		Target: Total Number of Serious Injuries		Target: Fatalities per 100 Million Vehicle Miles Traveled		Target: Serious Injuries per 100 Million Vehicle Miles Traveled		Target: Total Number of Non-Motorized Fatalities and Serious Injuries	
	Target or Actual Data	Source	Target or Actual Data	Source	Target or Actual Data	Source	Target or Actual Data	Source	Target or Actual Data	Source
2016	704	FARS	3,401	CRIS	1.1	FARS	5.3	CRIS	658	FARS-CRIS
2017	707	FARS	3,326	CRIS	1.0	FARS	4.7	CRIS	601	FARS-CRIS
2018	590	ARF	3,050	CRIS	1.0	ARF	5.0	CRIS	601	ARF-CRIS
2019†	661	CRIS	3,380	CRIS	1.0	CRIS	5.3	CRIS	733	CRIS
2020†	710	CRIS	3,280	CRIS	1.2	CRIS	5.6	CRIS	646	CRIS
2021 Target	674		3,287		1.1		5.2		648	

† 2019 & 2020 CRIS Data as of January 4, 2021; 2019 and 2020 Fatality Rates and Serious Injury Rates based on projected Annual VMT

Table 3: State Safety Performance Measure Targets

Performance Measure	2021 Targets
Fatalities	3,687
Fatality Rate	1.33
Serious Injury	17,151
Serious Injury Rate	6.06
Non-Motorized Fatalities & Serious Injuries (NMFSI)	2,316