

9. TRANSPORTATION SAFETY AND PERFORMANCE MEASURES AND TARGETS

Summary

The Federal Highway Administration requires an annual submission of safety performance measure targets by state department 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-motorist fatalities and serious injuries (pedestrians and bicyclist).

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

The State methodology uses a five-year rolling average to set the targets for the State safety performance measures. H-GAC has adopted a similar methodology to calculate the regional safety performance measure targets. The data used to calculate the targets is from the Texas Department of Transportation (TxDOT) Crash Record Information System (CRIS) data from 2019 to 2021 to calculate the 5-year rolling average for the 2022 targets.

H-GAC must submit the 2022 Region’s Safety Performance Measure Targets to TxDOT by February 25, 2022.

Current Situation

Table 1 shows the H-GAC safety performance measure targets for 2022, as wells as the 2020 and 2021 targets and observed totals. Table 2 provides background on the calculations of the H-GAC 2021 safety performance measure targets.

Table 1: H-GAC Safety Performance Measure Results

Performance Measure	2020 Targets	2020 Actuals	2021 Targets	2021 Actuals	2022 Targets
Fatalities	728	733	674	826	697
Fatality Rate	1.1	1.14	1.1	1.23	1.05
Serious Injury	3,293	3,280	3,287	4,125	3,424
Serious Injury Rate	5.0	5.11	5.2	6.14	5.15
Non-Motorized Fatalities & Serious Injuries	537	675	648	759	667

Table 2: H-GAC Safety Performance Measure Target Calculations

Year	2017	2018	2019	2020	2021	2022 Targets
Number of Fatalities	707	589	641	733	816	697
Per 100 Million VMT	702.85	609.87	707.39	641.34	665.36	
Rate of Fatalities	1.01	0.97	0.91	1.14	1.23	1.05
Number of Serious Injuries	3,326	3,050	3,380	3,280	4,085	3,424
Rate of Serious Injuries per 100 Million VMT	4.73	5.00	4.78	5.11	6.14	5.15
Number of Non-motorized Fatalities and Non-motorized Serious Injuries	590	595	718	675	759	667

Action Requested

Information only.