

## APPROVAL OF SAFETY PERFORMANCE MEASURES AND TARGETS

### Summary

Five federal transportation safety performance measures were established by the Federal Highway Administration (FHWA) in 2016. These federal safety performance measures are listed below:

1. Number of fatalities
2. Rate of fatalities (per 100M Vehicle Miles traveled)
3. Number of serious injuries
4. Rate of serious injuries (per 100M Vehicle Miles traveled)
5. Number of non-motorized fatalities and serious injuries

Metropolitan Planning Organizations (MPOs) may establish their own safety performance measure targets or commit to helping their respective State(s) achieve its safety performance measure targets by adopting the State's safety targets. MPOs are required to submit their safety performance measure targets annually to their respective state transportation agency by February 27<sup>th</sup>. All targets are based on a five-year rolling average. The TPC approved supporting the statewide safety performance measures and targets at its February 2018 meeting. the statewide target for reduction in vehicle crashes and the rate of vehicle crashes is based on achieving 2% crash reduction goal over five years.

### Current Situation

The Houston-Galveston MPO has committed to support the State of Texas efforts to achieve its safety performance measure targets as shown in Table 1. Table 2 shows the H-GAC MPO safety performance outcomes for calendar year 2019 which would demonstrate our support of the statewide goals. Also included are the 2012-2016 baseline targets that provide a benchmark for comparing performance in future years; the 2017 actual safety performance numbers for each performance measure category, and the calendar year 2018 and 2019 targets. The Technical Advisory Committee has recommended TPC support the State's safety targets but indicated that the region should also have an aspirational goal to reduce fatalities and crashes. The TAC has recommended staff add a letter to the resolution stating the above. The letter and Resolution are in the attachments.

### Action Requested

Approval of Safety Performance Measures and Targets Resolution No. 2019-05.

**Table 1: State Safety Targets (To be approved by TPC in February 2019)**

Year	Target: Total Number of Traffic Fatalities (C-1)		Target: Total Number of Serious Injuries (C-2)		Target: Fatalities per 100 Million Vehicle Miles Traveled (C-3)		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
2015	3,582	FARS	17,110	CRIS	1.39	FARS	6.63	CRIS	2,036	FARS-CRIS
2016	3,776	ARF	17,602	CRIS	1.39	ARF	6.49	CRIS	2,301	ARF-CRIS
2017	3,726	CRIS	17,546	CRIS	1.36	CRIS	6.39	CRIS	2,148	CRIS
2018	3,891	Target	18,130	Target	1.46	Target	6.64	Target	2,309	Target
2019	3,980	Target	18,367	Target	1.47	Target	6.60	Target	2,394	Target
2019 Target expressed as 5-year average	3,791	-	17,751	-	1.414	-	6.55	-	2,238	-

**Table 2: H-GAC MPO Safety Performance Outcomes (as a reference)**

Performance Measure	2012-2016		CY 2018 Outcome	CY 2019 Outcome
	Baseline (5YR Rolling AVG)	2017 Actual		
Fatalities	620	704*	671	699
Fatality Rate	1.0	1.1	1.0	1.0
Serious Injury	3,512	3,509	3,578	3,568
Serious Injury Rate	5.9	6.1	5.6	5.1
Non-Motorized Fatal & SI	555	600	607	629

*\*NHTSA Annual Fatality Report. Number of fatalities not final*



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**HOUSTON-GALVESTON AREA COUNCIL**

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February 22, 2019

Texas Department of Transportation  
125 E 11th St  
Austin, TX 78701

RE: Transportation Safety Performance Measure Targets

To whom it may concern:

The Federal transportation safety performance measures were established in 2016 to benchmark the progress of states and MPOs on improving traffic safety. The five (5) transportation safety performance measures are:

1. Number of fatalities
2. Rate of fatalities (per 100M Vehicle Miles traveled)
3. Number of serious injuries
4. Rate of serious injuries (per 100M Vehicle Miles traveled)
5. Number of non-motorized fatalities and serious injuries

In conjunction with the State's Strategic Highway Safety Plan process, TxDOT establishes annual targets for the above federally required measures. The methodology for calculating these targets is prescribe by federal regulations (23 CFR § 490.207). All the measures are calculated using a trend line projection based on 5-year rolling averages. The Houston-Galveston area's Transportation Policy Council (TPC) supports Statewide targets as described in the attached Resolution 2019-05.

However, the increasing trends in fatalities and crashes do not reflect the intent and commitment of the TPC to improve traffic safety in the Houston-Galveston region. The TPC has aspirational goals for safety to reduce traffic fatalities and injuries in our Region. The Policy Council is committed to achieve those through the implementation of the Regional Safety Plan and safety program.

Sincerely,

A handwritten signature in black ink that reads "Alan C. Clark".

Alan C. Clark  
MPO Director



# Resolution

NO. 2019-05

## AUTHORIZING ADOPTION OF TARGETS FOR SAFETY PERFORMANCE MEASURES ESTABLISHED BY THE TEXAS DEPARTMENT OF TRANSPORTATION

WHEREAS, the Texas Department of Transportation has established targets for five Safety Performance Measures based on five-year rolling averages for:

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; and,

WHEREAS, the Texas Department of Transportation annually adopts these targets in the Highway Safety Improvement Program, and adopts identical targets for number of fatalities, rate of fatalities and number of serious injuries as set forth in the Highway State Strategic Plan (HSSP); and,

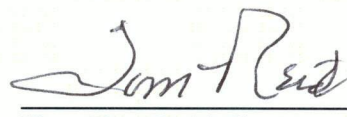
NOW, THEREFORE, BE IT RESOLVED THAT THE TRANSPORTATION POLICY COUNCIL FOR THE HOUSTON-GALVESTON TRANSPORTATION MANAGEMENT AREA HAS AGREED TO SUPPORT THE TEXAS DEPARTMENT OF TRANSPORTATION TARGETS FOR THE FIVE SAFETY PERFORMANCE MEASURES AS IDENTIFIED ABOVE.

**PASSED AND APPROVED** this 22nd day of February 2019, at a regularly scheduled meeting of the Transportation Policy Council.

APPROVED:

  
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Ken Clark, Chairman  
Transportation Policy Council

ATTEST:

  
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Hon. Tom Reid, Secretary  
Transportation Policy Council