2022 Regional Safety Performance Targets

East-West Gateway Council of Governments

March 2nd, 2022

Background on Safety Performance Measures

National Trends in Road Safety

EWG Safety Initiatives

A note on the IIJA

2022 Regional Safety Performance Targets

Safety Performance Targets

The Safety Performance Measure guidance requires state DOTs and MPOs to establish safety targets as five-year rolling averages on all public roads for:

(1) the number of fatalities

(2) the rate of fatalities per 100 million vehicle miles traveled (VMT)

(3) the number of serious injuries

(4) the rate of serious injuries per 100 million VMT

(5) the number of non-motorized fatalities and non-motorized serious injuries

MPOs have an option to accept state targets or set their own

National Trends

12% Increase in roadway fatalities the first nine months of 2021

Table 1: Fatalities and Fatality Rate by Quarter, First 9 Months, Full Year, and the Percentage Change From the Corresponding Quarter, First 9 Months or Full Year in the Previous Year

Year	1st Quarter (Jan–Mar)	2nd Quarter (Apr–Jun)	3rd Quarter (Jul–Sep)	4th Quarter (Oct–Dec)	Total (Full Year)	1st 9 Months (Jan-Sep)
Fatalities and Percentage Change in Fatalities for the Corresponding Quarter, 1st 9 Months, and Total From the Previous Year						
2011	6,726 [-0.4%]	8,227 [-3.5%]	8,984 [-2.6%]	8,542 [+0.5%]	32,479 [-1.6%]	23,937 [-2.3%]
2012	7,521 [+11.8%]	8,612 [+4.7%]	9,171 [+2.1%]	8,478 [-0.7%]	33,782 [+4.0%]	25,304 [+5.7%]
2013	7,166 [-4.7%]	8,207 [-4.7%]	9,024 [-1.6%]	8,496 [+0.2%]	32,893 [-2.6%]	24,397 [-3.6%]
2014	6,856 [-4.3%]	8,179 [-0.3%]	8,799 [-2.5%]	8,910 [+4.9%]	32,744 [- 0.5%]	23,834 [-2.3%]
2015	7,370 [+7.5%]	8,823 [+7.9%]	9,805 [+11.4%]	9,486 [+6.5%]	35,484 [+8.4%]	25,998 [+9.1%]
2016	8,154 [+10.6%]	9,563 [+8.4%]	10,078 [+2.8%]	10,011 [+5.5%]	37,806 [+6.5%]	27,795 [+6.9%]
2017	8,301 [+1.8%]	9,460 [-1.1%]	10,081 [+0.0%]	9,631 [-3.8%]	37,473 [-0.9%]	27,842 [+0.2%]
2018	8,203 [-1.2%]	9,323 [-1.4%]	9,934 [-1.5%]	9,375 [-2.7%]	36,835 [-1.7%]	27,460 [-1.4%]
2019	7,816 [-4.7%]	9,172 [-1.6%]	9,953 [+0.2%]	9,155 [-2.3%]	36,096 [-2.0%]	26,941 [-1.9%]
2020†	7,900 [+1.1%]	9,120 [-0.6%]	11,305 [+13.6%]	10,355 [+13.1%]	38,680 [+7.2%]	28,325 [+5.1%]
2021†	8,905 [+12.7%]	11,065 [+21.3%]	11,750 [+3.9%]	—	—	31,720 [+12.0%]
Fatality Rate per 100 Million Vehicle Miles Traveled (VMT)						
2011	0.98	1.09	1.18	1.17	1.10	1.09
2012	1.08	1.12	1.21	1.16	1.14	1.14
2013	1.04	1.07	1.17	1.16	1.10	1.09
2014	0.99	1.03	1.11	1.17	1.08	1.05
2015	1.03	1.08	1.20	1.21	1.15	1.11
2016	1.11	1.16	1.23	1.27	1.19	1.17
2017	1.12	1.13	1.21	1.20	1.17	1.16
2018	1.10	1.11	1.18	1.15	1.14	1.13
2019	1.04	1.08	1.17	1.12	1.11	1.10
2020†	1.12	1.46	1.49	1.41	1.37	1.35
2021†	1.29	1.36	1.41	—	—	1.36

†2020 and 2021 statistical projections and rates based on these projections.

Sources: Fatalities: 2011-2018 FARS final file, 2019 FARS annual report file; VMT: FHWA September 2021 traffic volume trends for 2020 and 2021 VMT

National Trends cont'd

Bike and Pedestrian fatalities and injuries also went up, but increase is not proportional to vehicle fatalities

Vehicle Miles Traveled went up, causing the relative small increase in RATE of fatality and serious injury

Suspected causes are behavioral: speeding, seat belt usage, texting, other distractions, negligence

EWG Safety Initiatives

Surface Transportation Block Grant Program (STP-S)

IDOT and MoDOT's Strategic Highway Safety Plan (SHSP)

St. Louis Youth – Drive for Tomorrow. (2016-2020)

Since 2021, EWG and MoDOT partnered in a Safety Education program where we use social media, ad space and radio ads to share safe driving messages to the public.

A note on the Infrastructure Investment and Jobs Act (IIJA)

So far, no meaningful changes to Performance Measure guidance in the new infrastructure bill for MPOs

New money designated: $37.7 billion

Program Name	Agency Name	Funding Amount
Highway Safety Improvement Program	Department of Transportation	$15,557,499,996
Safe Streets and Roads for All	Department of Transportation	$5,000,000,000
Railroad Crossing Elimination Grants	Department of Transportation	$3,000,000,000
Motor Carrier Safety Assistance Program	Department of Transportation	$2,432,500,000
Highway Safety Programs	Department of Transportation	$1,992,000,000
Motor Carrier Safety Operations and Programs	Department of Transportation	$1,925,000,000
National Priority Safety Programs	Department of Transportation	$1,874,500,000
Railway-Highway Crossings Program	Department of Transportation	$1,225,000,000
Natural Gas Distribution Infrastructure Safety and	Department of Transportation	$1,000,000,000
Highway Safety Research & Development	Department of Transportation	$970,000,000
Crash Data	Department of Transportation	$750,000,000
Vehicle Safety and Behavioral Research	Department of Transportation	$548,500,000
High Priority Activities Program	Department of Transportation	$432,500,000
Wildlife Crossings Pilot Program	Department of Transportation	$350,000,000
Commercial Driver's License Implementation Pro	Department of Transportation	$297,500,000
High-Visibility Enforcement	Department of Transportation	$201,600,000
Racial Profiling Data Collection Grants	Department of Transportation	$57,500,000
National Driver Register	Department of Transportation	$36,000,000
Commercial Motor Vehicle Enforcement Training	Department of Transportation	$25,000,000
Safety-Related Activities (Set-aside)	Department of Transportation	$17,500,000
Commercial Motor Vehicle Operators Grant Progr	Department of Transportation	$16,500,000
	TOTAL - SAFETY	**$37,709,099,996**

2022 Safety Performance Targets

Performance Measure	5-Year Rolling Average Regional Target 2017-2021	5-Year Rolling Average - Current** 2017-2021	2022 Target Annual Reduction Values	5-Year Rolling Average Regional 2022 Targets*
Number of Fatalities	294.3	306.0	-2%	299.9
Fatality Rate (per 100 million VMT)	1.117	1.14	-2%	1.12
Number of Serious Injuries	1952.4	2030.0	-2%	1989.4
Rate of Serious Injuries (per 100 million VMT)	7.424	7.55	-2%	7.40
Number of Non-Motorized Fatalities and Serious Injuries Combined	236.9	238.7	-2%	234.0

* Targets based on 5-year rolling average from CY 2017-2021 and a projected 1% VMT increase per year.

** Compiled using unofficial 2021 data from MODOT, IDOT, FARS

Thank you!

Questions?