

# DRAFT 2016-2020 PBPP HIGHWAY SAFETY TARGETS

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# Presentation Items

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- Part I: Review of Safety Trends
- Part II: Progress Towards the 2014-2018 Safety Targets
- Part III: Staff Recommended 2016-2020 Regional Safety Targets
- Part IV: Proposed Resolution Based on Board Input During the September TPB Meeting
- Part V: Next Steps



# Part I

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## Review of Safety Trends



# NCR Safety – With Final 2018 Annual Data

	2014	2015	2016	2017	2018	Change from 2017 to 2018
# of Fatalities	263	263	275	313	292	↓ 6.7 %
Fatality Rate (per 100 MVMT)	0.619	0.610	0.633	0.695	0.649	↓ 6.6 %
# of Serious Injuries	2,858	2,643	2,946	2,595	2,461	↓ 5.2 %
Serious Injury Rate (per 100 MVMT)	6.718	6.134	6.680	5.764	5.472	↓ 5.1 %
# Nonmotorist Fatalities & Serious Injuries	548	526	555	595	551	↓ 7.4 %



# Part II

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## Progress Towards the 2014-2018 Safety Targets



# Highway Safety Performance Measures

Performance Measure	Description	Data Source
Number of Fatalities (5 year rolling average)	Total number of fatalities during a calendar year	FARS <sup>1</sup>
Rate of Fatalities per 100 million VMT (5 year rolling average)	Ratio of total fatalities to VMT	FARS and HPMS <sup>2</sup> (or MPO estimate)
Number of Serious Injuries (5 year rolling average)	Total number of serious injuries during a calendar year	State reported serious injury data
Rate of Serious Injuries per 100 million VMT (5 year rolling average)	Ratio of total serious injuries to VMT	State reported serious injury data <sup>3</sup> and HPMS
Number of Non-Motorized Fatalities and Serious Injuries (5 year rolling average)	Total number of fatalities and serious injuries during a calendar year	FARS and State serious injury data <sup>3</sup>

<sup>1</sup> FARS: Fatality Analysis Reporting System

<sup>2</sup> HPMS: Highway Performance Monitoring System

# 2014-2018 Actual vs. Targets - NCR

Performance Measure (5-year rolling average)	2014-2018 Actual	2014-2018 Target	Status
# of Fatalities	282.0	253.0	Not met
Fatality Rate (per 100 MVMT)	0.642	0.588	Not met
# of Serious Injuries	2,700.8	3,007.3	Met
Serious Injury Rate (per 100 MVMT)	6.154	6.791	Met
# Nonmotorist Fatalities & Serious Injuries	554.8	528.8	Not met



# Part III

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## Staff Recommended 2016-2020 Regional Safety Targets





# Background (or Why, What, and How)

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- The TPB has also set regional targets in both January 2018 and January 2019 – and are scheduled to set their next round of targets in December 2019.
  - Federal requirement for State DOTs and MPOs to update highway safety targets on an annual basis
  - State DOTs approved their first set of targets in August 2017, their second set of targets in August 2018, and their third set of targets in August 2019
- Data-driven and realistic highway safety targets are to be set for 5 performance measures
- Targets are averages for a given 5-year period (ex., 2015-2019, 2016-2020, etc.)



# 2016-2020 Target Setting Methodology

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- Apply Maryland’s approach to identify a “sub-target” for the Maryland portion of the NCR
- Apply Virginia’s suggested approach for its MPOs to identify a sub-target for the Virginia portion of the NCR
- Incorporate the District of Columbia’s target as a sub-target for the DC portion of the NCR
- Combine the three sub-targets into a regional target for the NCR
- If a calculated target is higher than the previous target, set the target equal to the previous target
- *Note that this is the same methodology as was used for last year’s (2015-2019) targets*



# Summary: NCR Highway Safety Targets: pre-cap

	2015-2019 Target	2016-2020 Target	Difference	Percent Difference
# of Fatalities	253.0	<u>281.1</u>	28.1	11.1%
Fatality Rate (per 100 MVMT)	0.588	<u>0.642</u>	0.049	9.2%
# of Serious Injuries	2,919.6	<u>2,692.1</u>	-227.5	-7.8%
Serious Injury Rate (per 100 MVMT)	6.564	<u>6.110</u>	-0.454	-6.9%
# Nonmotorist Fatalities & Serious Injuries	508.6	<u>557.2</u>	48.6	9.6%



# Summary: NCR Highway Safety Targets: with cap

	2015-2019 Target	2016-2020 Target	Difference	Percent Difference
# of Fatalities	253.0	<u>253.0</u>	0.0	0.0%
Fatality Rate (per 100 MVMT)	0.588	<u>0.588</u>	0.000	0.0%
# of Serious Injuries	2,919.6	<u>2,692.1</u>	-227.5	-7.8%
Serious Injury Rate (per 100 MVMT)	6.564	<u>6.110</u>	-0.454	-6.9%
# Nonmotorist Fatalities & Serious Injuries	508.6	<u>508.6</u>	0.000	0.0%



# Summary: NCR Highway Safety Targets

Performance Measure (5-year rolling average)	2014- 2018 Target	2015- 2019 Target	2016- 2020 Target	Difference	Percent Difference
# of Fatalities	253.0	253.0	<u>253.0</u>	0.0	0.0%
Fatality Rate (per 100 MVMT)	0.588	0.588	<u>0.588</u>	0.0	0.0%
# of Serious Injuries	3,007.3	2,919.6	<u>2,692.1</u>	-227.5	-7.8%
Serious Injury Rate (per 100 MVMT)	6.791	6.564	<u>6.110</u>	-0.454	-6.9%
# Nonmotorist Fatalities & Serious Injuries	528.8	508.6	<u>508.6</u>	0.0	0.0%



# Part IV

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## Proposed Resolution Based on Board Input During the September TPB Meeting



# Resolution Based on TPB Input

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- Board discussion after the VDOT and DDOT presentations at the September TPB meeting led to broad support for an action to:
  - 1) strengthen drivers knowledge on the fundamentals of safe driving; and
  - 2) ensure accountability for drivers with a history of unsafe driving
- Staff is working to develop a draft resolution for the Board's consideration. The key elements of this draft resolution will be:
  - 1) to express TPB's support for requiring periodic renewal of driver's licenses to be contingent on passing a written exam; and
  - 2) to express TPB's support for cooperation/reciprocity among DC, MD, and VA with respect to automated enforcement citations



# Part V

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## Next Steps





# Next Steps

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- Request adoption of resolution on driver's license renewal and automated enforcement reciprocity by the TPB in November
- Present staff-proposed regional safety targets to the TPB in November
- Finalize staff-proposed targets based on board feedback
- Request board approval of targets at the December TPB meeting



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