



TPM (FHWA & FTA) Measures & Targets

17 total FHWA measures (PM1, 2, 3)

- o Describes the applicability of the measures
- o Identifies data needed to support measures
- o Includes target due dates
- o Describes performance period, reporting requirements and timeline
- o Defines significant progress determination

Performance measure: an expression based on a metric used to establish targets and to assess progress toward targets

Target: a quantifiable level of performance or condition to be achieved within a time period

	Final Rules (FHWA – 23 CFR 490)	States Set Targets By	NCDOT Status
FHWA	PM1 – Safety (5 measures)	Aug. 31, 2017	✓ Completed – 2018 targets established in Highway Safety Improvement Program (HSIP)
	PM2 – Pavement/Bridge (6 measures)	May 20, 2018	✓ Completed – Pending submission to FHWA, NCDOT set 2-year and/or 4-year targets
	PM3 – System Performance (6 measures)	May 20, 2018	✓ Completed – Pending submission to FHWA, NCDOT set 2-year and/or 4-year targets
FTA	Transit Assets	Jan. 1, 2017	✓ Completed – 2017 targets and Transit Asset Management Plan

PM1 - Highway Safety Performance Measures
1. Number of fatalities
2. Fatality rate (per 100 million VMT)
3. Number of serious injuries
4. Serious injury rate (per 100 million VMT)
5. Number of non-motorized fatalities and serious injuries
FY2018 targets adopted Targets set annually

PM2 – Pavement/Bridge Performance Measures
6. % of pavements on the <u>Interstate</u> system in good condition
7. % of pavements on the <u>Interstate</u> system in poor condition
8. % of pavements on the <u>non-Interstate</u> NHS in good condition
9. % of pavements on the <u>non-Interstate</u> NHS in poor condition
10. % of NHS bridges classified as in good condition
11. % of NHS bridges classified as in poor condition
2019 and 2021 statewide targets set

PM3 - System Performance / Freight / CMAQ Performance Measures
12. % of person miles on the <u>Interstate</u> system that are reliable
13. % of person miles on the <u>non-Interstate</u> NHS that are reliable
14. % of <u>Interstate</u> mileage providing for reliable truck travel times
15. Annual hours of peak-hour excessive delay per capita
16. Percent of non-single occupant vehicle travel
17. Total emissions reduction (CMAQ projects)
2019 and 2021 statewide targets set

Safety:

NCDOT's 2019 safety targets that were provided to FHWA in the 2018 HSIP annual report are listed below:

- For the 2019 Highway Safety Improvement Plan (HSIP), the goal is to reduce total fatalities by **5.59** percent each year from 1,362.8 (2013-2017 average) to 1,214.7 (2015-2019 average) by December 31, 2019.
- For the 2019 Highway Safety Improvement Plan (HSIP), the goal is to reduce the fatality rate by **5.02** percent each year from 1.216 (2013-2017 average) to 1.097 (2015-2019 average) by December 31, 2019.
- For the 2019 Highway Safety Improvement Plan (HSIP), the goal is to reduce total serious injuries by **6.77** percent each year from 2,865.2 (2013-2017 average) to 2,490.6 (2015-2019 average) by December 31, 2019.
- For the 2019 Highway Safety Improvement Plan (HSIP), the goal is to reduce the serious injury rate by **6.12** percent each year from 2.528 (2013-2017 average) to 2.228 (2015-2019 average) by December 31, 2019.
- For the 2019 Highway Safety Improvement Plan (HSIP), the goal is to reduce the total non-motorized fatalities and serious injuries by **6.02** percent each year from 457.0 (2013-2017 average) to 403.7 (2015-2019 average) by December 31, 2019.

Pavement Condition (interstate and non-interstate National Highway System (NHS)), NHS bridge condition, travel time reliability, freight reliability, and emissions reduction

Performance Measure	2 Year Target 1/1/2018 – 12/31/2019	4 Year Target 1/1/2018 – 12/31/2021
Interstate Pavement Condition (Good)		37.0 %
Interstate Pavement Condition (Poor)		2.2 %
Non-Interstate NHS Pavement Condition (Good)	27.0%	21.0%
Non-Interstate NHS Pavement Condition (Poor)	4.2%	4.7%
NHS Bridge Condition (Good)	33.0%	30.0%
NHS Bridge Condition (Poor)	8.0%	9.0%
Interstate Level of Travel Time Reliability	80.0%	75.0%
Non-Interstate NHS Level of Travel Time Reliability		70.0%
Interstate Truck Travel Time Reliability	1.65	1.70
CMAQ – Percent of Non-Single Occupant Vehicle (SOV) travel	21.0%	21.0%
CMAQ – Annual Hours of Peak-Hour Excessive Delay (PHED) per Capita		34.0
CMAQ - On-Road Emission Reduction from CMAQ Projects	CO: 11.522 kg/day VOC: 0.252 kg/day NOx: 2.360 kg/day	CO: 23.044 kg/day VOC: 0.504 kg/day NOx: 4.720 kg/day