

**Winston-Salem Urban Area Metropolitan Planning Organization
Transportation Advisory Committee
Action Request**

Meeting Date: February 15, 2018 **Agenda Item Number:** 5

Action Requested: Review of FHWA Safety Performance Management (Safety PM), part of the overall Transportation Performance Management (TPM) program. Endorsement of targets for safety performance measures established by the North Carolina Department of Transportation.

SUMMARY OF INFORMATION: **Attachments:** Yes X No

The Federal Highway Administration’s (FHWA) Federal-aid Highway Program was transformed in 2012 by the passing of Public Law 112-141: “Moving Ahead for Progress in the 21st Century” (MAP-21) and again modified in 2015 by Public Law 114-94: “Fixing America’s Surface Transportation Act” (FAST Act). Parts of MAP-21 and the FAST Act necessitate new performance management requirements administered through the FHWA’s Transportation Performance Management (TPM) program. These requirements function to ensure that state DOTs and Metropolitan Planning Organizations (MPOs) prioritize efficient investments when applying for and spending federal transportation funds.

The TPM program’s function is to focus attention on the seven “national Federal highway performance goals”, increase transparency of the Federal-aid Highway Program by emphasizing a data driven approach, and improve project process efficiency through performance based planning and programming. Based on the function of the TPM, “state DOTs will now be required to establish performance targets and assess performance in 12 areas established by MAP-21, and FHWA will assess their progress toward meeting targets in 10 of these areas.”

The top priority of NCDOT and the first on the list of the FHWA national goals is safety. Five determined categories of safety performance measures are: (1) Reduction of the total number of fatalities; (2) Reduction of the rate of fatalities per one hundred million vehicle miles traveled (VMT); (3) Reduction of the total number of serious injuries; (4) Reduction of the rate of serious injuries per one hundred million VMT; and (5) reduction of the total number of non-motorized fatalities and serious injuries.

On August 31, 2017, NCDOT set its targets for the state’s Safety Performance Measures (PM). North Carolina MPOs have 180 days (February 27, 2018) to either adopt the state’s targets or set their own targets, followed by an additional 90 days (May 27, 2018) to amend their transportation plans--locally, the Winston-Salem Urbanized Area Metropolitan Planning Organization (WSMPO) Metropolitan Transportation Plan (MTP). The NCDOT and WSMPO’s Safety Performance Measure targets can be found in the chart below. State DOTs that fail to meet or make significant progress toward meeting safety targets will be required to direct a portion of their Highway Safety Improvement Program (HSIP) funding toward projects that will improve safety. There are no repercussions for MPOs who do not meet or make significant progress toward meeting the safety targets.

SAFETY PERFORMANCE MEASURES

PERFORMANCE SAFETY MEASURES	NCDOT 2018 TARGET	NCDOT 2012 - 2016 AVG	NCDOT 2014 - 2018 AVG TARGET	WSMPO 2012 - 2016 AVG	WSMPO 2014-2018 AVG TARGET
TOTAL NUMBER OF AUTO FATALITIES	REDUCTION OF 5.1% PER YEAR	1340.6	1207.3	41.6	36.9
RATE OF AUTO FATALITIES (PER 100 MILLION VMT)	REDUCTION OF 4.75% PER YEAR	1.228	1.114	0.857	0.764
TOTAL NUMBER OF AUTO SERIOUS INJURIES	REDUCTION OF 5.1% PER YEAR	2399.8	2161.2	88.0	77.7
RATE OF AUTO SERIOUS INJURIES (PER 100 MILLION VMT)	REDUCTION OF 4.75% PER YEAR	2.191	1.988	1.815	1.610
TOTAL NUMBER OF NON-MOTORIZED FATALITIES AND NON-MOTORIZED SERIOUS INJURIES	REDUCTION OF 5.3% PER YEAR	438.8	393.5	13.4	12.1

1. For the 2018 Highway Safety Improvement Program (HSIP), the goal is to reduce total fatalities by 5.10 percent each year from 41.6 (2012-2016 WSMPO average) to 36.9 (2014-2018 WSMPO average) by December 31, 2018.
2. For the 2018 Highway Safety Improvement Program (HSIP), the goal is to reduce the fatality rate by 4.75 percent each year from 0.857 (2012-2016 WSMPO average) to 0.764 (2014-2018 WSMPO average) by December 31, 2018.
3. For the 2018 Highway Safety Improvement Program (HSIP), the goal is to reduce total serious injuries by 5.10 percent each year from 88.0 (2012-2016 WSMPO average) to 77.7 (2014-2018 WSMPO average) by December 31, 2018.
4. For the 2018 Highway Safety Improvement Program (HSIP), the goal is to reduce the serious injury rate by 4.75 percent each year from 1.815 (2012-2016 average) to 1.610 (2014-2018 WSMPO average) by December 31, 2018.
5. For the 2018 Highway Safety Improvement Program (HSIP), the goal is to reduce the total non-motorized fatalities and serious injuries by 5.30 percent each year from 13.4 (2012-2016 WSMPO average) to 12.1 (2014-2018 WSMPO average) by December 31, 2018.

RESOLUTION
ENDORSEMENT OF TARGETS FOR SAFETY PERFORMANCE MEASURES
ESTABLISHED BY THE NORTH CAROLINA DEPARTMENT OF
TRANSPORTATION

A motion was made by TAC Member _____ and seconded by TAC Member _____ for the adoption of the following resolution, and upon being put to a vote was duly adopted.

WHEREAS, the Winston-Salem Urban Area Metropolitan Planning Organization (MPO) has been designated by the Governor of the State of North Carolina as the Metropolitan Planning Organization (MPO) responsible, for the comprehensive, continuing, and cooperative transportation planning process for the MPO's metropolitan planning area; and

WHEREAS, the Highway Safety Improvement Program (HSIP) final rule (23 CFR Part 490) required States to set targets for five safety performance measures by August 31, 2017; and

WHEREAS, the North Carolina Department of Transportation (NCDOT) has established targets for five performance measures based on five year rolling averages for: (1) Number of motorized vehicle Fatalities, (2) Rate of motorized vehicle Fatalities per 100 million Vehicle Miles Traveled (VMT), (3) Number of Serious Injuries in a motorized vehicle, (4) Rate of Serious Injuries in motorized vehicles per 100 million VMT, and (5) Number of Non-Motorized (bicycle and pedestrian) Fatalities and Non-motorized Serious Injuries; and

WHEREAS, the NCDOT coordinated the establishment of safety targets with the 19 Metropolitan Planning Organizations (MPOs) in North Carolina through a Safety Target Setting Coordination Training Workshop held in March, 2017; and

WHEREAS, the NCDOT has officially established and reported the safety targets in the Highway Safety Improvement Program annual report dated August 31, 2017, and;

WHEREAS, the MPO's may establish safety targets by agreeing to plan and program projects that contribute toward the accomplishment of the State's targets for each measure, or establish its own target within 180 days of the State establishing and reporting its safety targets in the HSIP annual report.

NOW, THEREFORE, BE IT RESOLVED that the Transportation Advisory Committee of the Winston-Salem Urban Area Metropolitan Planning Organization agrees to plan and program projects that contribute toward the accomplishment of the State's targets for each of the aforementioned performance measures.

Adopted on this the 15th day of February, 2018.

 Larry T. Williams, Chairman
 Transportation Advisory Committee

 Margaret C. Bessette, Secretary
 Transportation Advisory Committee

