

ACTION TRANSMITTAL No. 2017-41

DATE: December 8, 2017
TO: Transportation Advisory Board
FROM: Technical Advisory Committee
FROM: David Burns, Senior Highway Planner, 651-602-1887
SUBJECT: Proposed Safety Performance Measures and Short-Term Targets
REQUESTED ACTION: Request that the Transportation Advisory Board adopt the proposed safety performance measures and short-term targets and recommend adoption by the Metropolitan Council.
RECOMMENDED MOTION: Recommend adoption of the safety performance measures and short-term targets for the Metropolitan Council Planning Area.

BACKGROUND AND PURPOSE OF ACTION: Pursuant to 23 CFR 490.29, all State DOTs and Metropolitan Planning Organizations (MPOs) must adopt a program to measure system performance and set performance targets in order to monitor progress on an annual basis. These performance measures are divided into the following three broad categories:

- Safety Performance Measures (PM1);
- Pavement/Bridge Performance Measures (PM2); and
- System Performance Measures and CMAQ (PM3).

Each of the performance measure programs have different timelines for adoption and implementation for both state DOTs and MPOs. MPOs are given an additional 180 days after the DOT adoption to either adopt the state-wide target or chose an alternative target. MnDOT officially adopted the safety performance measures and established statewide targets on August 31, 2017. The Council must adopt safety performance measure targets no later than February 27th, 2018.

Per federal requirements, both the state DOTs and MPOs must establish targets for five safety performance measures. MnDOT has set targets based upon a 3% or 5% annual reduction from the 2015 base-year data for fatalities and serious injury crashes, respectively. The following are MnDOT's adopted **state-wide** 2018 targets for the five federally-required measures:

- Number of traffic fatalities: 375
- Fatality rate (fatal crashes per 100 million vehicle miles travelled): 0.62 per 100M VMT
- Serious injuries: 1,935
- Serious injury rate (number of serious injury crashes per 100 million vehicle miles travelled): 3.19 per 100M VMT
- Non-motorized fatalities and serious injuries: 348

Staff recommends using the same methodology MnDOT used to calculate safety targets for the metropolitan planning area. The following are the resulting proposed 2018 safety targets for the MPO planning area:

- Number of traffic fatalities: 89
- Fatality rate (fatal crashes per 100 million vehicle miles travelled): 0.31 per 100M VMT
- Serious injuries: 642
- Serious injury rate (number of serious injury crashes per 100 million vehicle miles travelled): 2.35 per 100 million VMT
- Non-motorized fatalities and serious injuries: 112

RELATIONSHIP TO REGIONAL POLICY: The current 2040 Transportation Policy Plan includes a listing of performance measures used to monitor and assess system performance. These performance measures support the six over-arching transportation system goals of the TPP. The proposed safety performance measures and targets directly support the Safety and Security goal of the 2040 TPP, while simultaneously fulfilling the federal requirements of an MPO.

STAFF ANALYSIS: Overall, the total number and rate of crashes involving fatalities and serious injuries is significantly lower in the metro area than the state as a whole. The desired trend is to continue to make progress for improving safety for all modes within the region. The annual rate of reduction adopted by MnDOT is aggressive, but reasonable and likely attainable.

COMMITTEE COMMENTS: TAC Planning moved to recommend. The TAC moved to recommend to the TAB.

ROUTING

TO	ACTION REQUESTED	DATE COMPLETED
TAC Planning	Review & Recommend	11-9-17
Technical Advisory Committee	Review & Recommend	12-6-17
Transportation Advisory Board	Review & Recommend	
Metropolitan Council Transportation Committee	Review & Recommend	
Metropolitan Council	Review & Adopt	