

Transportation Performance Measures -- Safety --

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- TPMS are required by MAP-21 and FAST ACT (federal transportation legislation)
- January 2019 -- MPO originally adopted Safety measures and targets along with TPMs for transit assets, bridge and pavement condition and system performance, and later, for transit safety
- Since that time, MPO has re-adopted Safety measures and targets annually
- MPO must re-adopt Safety targets by February 27, 2022 (other three TPMs are not due for re-adoption)

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- Two options:
 - MPO establish own measures
 - MPO must manage data to calculate measure
 - Support NCDOT measures

In three TPMs, MPO adopted NCDOT target. Why? 1) can use NCDOT data; 2) targets are challenging

 NCDOT safety targets based on NCDOT's Strategic Highway Safety Plan (SHSP):

- Reduce by 50% by 2035
- <u>Vison Zero</u> by 2050

 At this point, no known consequences for MPO if targets not achieved

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NCDOT Targets (percent reduction per year)							
Safety Measure	2018	2019	2020	2021*	2022	% change	
Total Fatalities	5.0	5.6	6.2	4.2	12.2	143%	
Fatality Rate	4.8	5.0	5.4	4.4	13.8	190%	
Total Serious Injuries	5.1	6.8	8.5	3.2	19.8	288%	
Serious Injury Rate	4.8	6.1	7.6	3.4	21.7	356%	
Total Non-motorized	5.3	6.0	7.1	3.7	17.9	238%	
Fatalities and Serious				1	1		
Injuries							

* 2021 reduction targets are much lower than previous years because the horizon year for reducing fatalities and injuries by one-half was changed from 2030 to 2035. Current targets

Proposed targets

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22.4

24.0

20.5

Safety Targets

Year

2016 - 2020

2022 Target

Fatalities and serious

injuries – fastest increase

- steady increase

The rates (per miles traveled)

38.8

41.4

34.3

0.695

0.764

0.613



1.716

1.995

1.507

gets	5			Data for DCHC MPO			
	Fatalities Fatality Rate (5 Year Average) (5 Year Average)		Serious Injuries (5 Year Average)	Serious Injury Rate (5 Year Average)	PLANNING TOMORROW Non-motorized Fatalities and Serious Injuries (5 Year Average)	'S TRANSPORTATION	
	29.6	0.630	74.6	1.590	18.6		
	30.8	0.640	70.8	1.474	17.6		
	32.0	0.647	74.8	1.514	18.6		
	32.8	0.651	80.6	1.601	20.2		
	34.0	0.658	79.4	1.541	20.8		
	36.0	0.675	84.8	1.586	19.4		
	36.0	0.658	88.4	1.615	20.2		

95.8

107.4

84.3

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Non-motorized fatalities and serious injuries - fast increase

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Support NCDOT 2022 Safety targets by resolution:

- Resolution: MPO agrees to plan and program projects so that they contribute toward the accomplishments of the NCDOT performance targets
- Considerable discussion at December TC meeting about what more the MPO can do to improve safety and the value of having a safety plan
- In the next several months, MPO and NCDOT staff will present what is currently being done and what more can be done for safety in terms of funding, projects, coordination and monitoring