

To: Policy Board
From: Karissa Pavek
Date: February 14, 2025
Re: Performance Measure 1 (PM 1) – Highway Safety – Minnesota

Overview

On November 14, 2021, President Biden signed the Infrastructure Investment and Jobs Act (IIJA) into law. This continued the performance management requirements that aimed to increase the safety of public roads covered by the Highway Safety Improvement Program (HSIP). Targets for this performance measure are established annually, and targets are adjusted for the calendar year which are identified in §490 Subpart B and listed below.

1. Number of Fatalities
2. Rate of Fatalities per 100 million Vehicle Miles Traveled (VMT)
3. Number of Serious Injuries
4. Rate of Serious Injuries per 100 million Vehicle Miles Traveled (VMT)
5. Number of Non-Motorized Fatalities and Serious Injuries

As a Metropolitan Planning Organization (MPO), Metro COG is required by the Federal Highway Administration (FHWA) to:

1. Agree to program projects in each state's portion of the Metropolitan Planning Area (MPA) to support the performance targets established by the North Dakota State Department of Transportation (NDDOT) and/or
2. Establish MPO specific safety performance targets for all or some of the above five measures.

After analysis of the data provided, Metro COG requests that the Policy Board support the Minnesota Safety Performance Measure Targets.

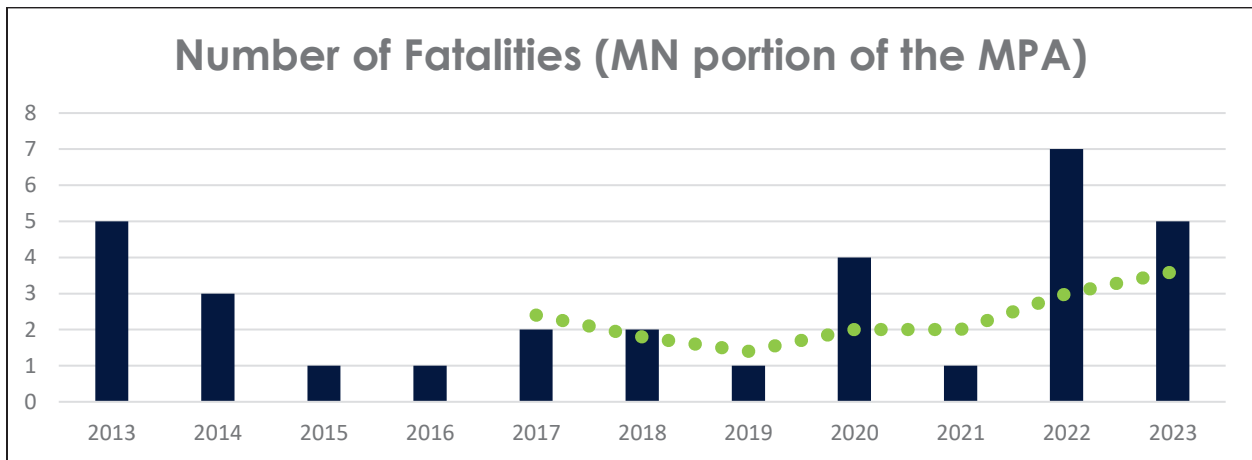
Below is an example of the table used by Federal Highway Administration (FHWA) to determine if a state has met or made significant progress towards their Safety Performance Targets.

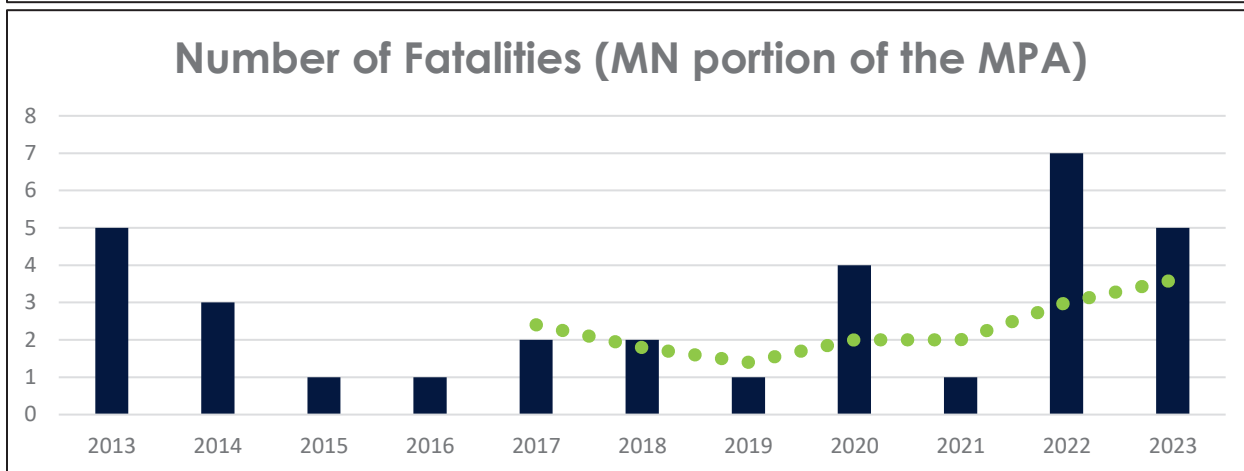
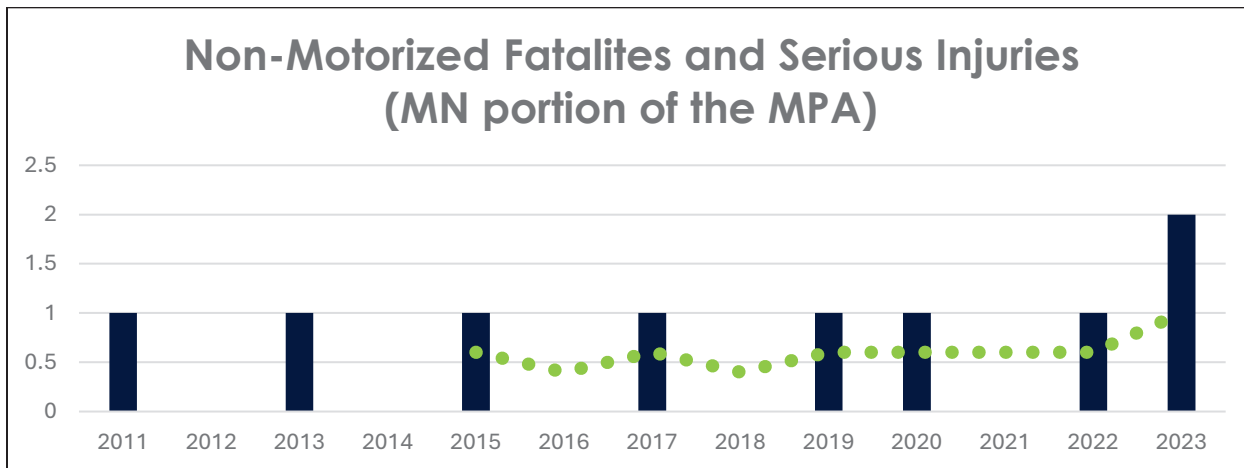
Example Significant Progress Determination for CY 2020 Safety Performance Targets

Performance Measure	5-year Rolling Averages			Target Achieved?	Better than Baseline?	Met or Made Significant Progress?
	TARGET 2016 – 2020 ^A	ACTUAL 2016– 2020 ^B	BASELINE 2014– 2018 ^C			
Number of Fatalities	465	472.4	474	No	✓ Yes	Yes (4 out of 5 targets met or made significant progress)
Fatality Rate	0.980	0.990	0.998	No	No	
Number of Serious Injuries	2,560.0	2,708.4	2,700.2	No	✓ Yes	
Serious Injury Rate	4.120	4.214	4.288	No	✓ Yes	
Number of Non-motorized Fatalities and Serious Injuries	108.0	107.6	113.2	✓ Yes	N/A	

(A) CY 2020 Targets are established and reported in the August 31, 2019 HSIP Annual Report.
 (B) Actual performance is the 5-year rolling average ending in the year for which the targets were established. In this case that is CY 2016-2020.
 (C) Baseline performance is the 5-year rolling average that ends prior to the year in which the targets were established. In this case, that is CY 2014-2018, since the targets were established in 2019. Baseline performance is calculated in order to compare whether the actual outcome for CY 2016-2020 was better than the baseline performance (in this case CY 2014-2018), for the targets that were not met.

Trend Analysis







State Performance

2023 Performance Measure 1 Target Assessment - Minnesota						
2019-2023 Assessment Table *Evaluated based on 5 year Rolling average	5-Year Rolling Averages			Assessment of the State of Minnesota		
	Minnesota 2017-2021 Baseline Performance	Minnesota Statewide 2019-2023 Targets	Minnesota 2019-2023 Actual Performance	Statewide Target Achieved? Compares to state goal	Better than Baseline?	Met or Made Significant Progress?
Number of Fatalities	397.0	352.4	420.8	No	No	No
Fatality Rate (per 100M VMT)	0.695	0.582	0.742	No	No	
Number of Serious Injuries	1664.0	1463.4	1745.6	No	No	
Serious Injury Rate (per 100M VMT)	2.908	2.470	3.075	No	No	
Number of Non-Motorized Fatalities & Serious Injuries	280.8	258.4	285.4	No	No	

MPA Performance

2023 Performance Measure 1 Target Assessment – MN portion of the MPA						
2019-2023 Assessment Table *Evaluated based on 5 year Rolling average	5-Year Rolling Averages			Assessment of the State of Minnesota		
	MN MPA 2017-2021 Baseline Performance	Minnesota Statewide 2019-2023 Targets	MN MPA 2019-2023 Actual Performance	Statewide Target Achieved? Compares to state goal	Better than Baseline?	Met or Made Significant Progress?
Number of Fatalities	2.0	352.4	3.6	Yes	No	Yes
Fatality Rate (per 100M VMT)	0.304	0.582	0.588	Yes	No	
Number of Serious Injuries	8.2	1463.4	8.4	Yes	No	
Serious Injury Rate (per 100M VMT)	0.746	2.470	0.883	Yes	No	
Number of Non-Motorized Fatalities & Serious Injuries	0.6	258.4	1.0	Yes	No	

Population Methodology

To see how the Minnesota portion of Metro COG’s MPA performed, a common denominator was needed for the number of Fatalities and number of Serious Injuries. This common

denominator used was the percentage of the population represented in our MPA. The data was sourced from the American Community Survey 5-year average 2019 – 2023. For Minnesota our MPA represents **2.35%** percent of the total statewide population. If the portion of the MN MPA actual performance was less than 2.35% of the statewide performance, it was considered that the target was met.

$$\frac{MN\ MPA\ 134,394}{MN\ Population\ 5,713,716} = MN\ portion\ of\ MPA\ is\ 2.35\%$$

The rate of fatalities and the rate of serious injuries already had a common denominator of 100 million vehicle miles traveled (VMT).

ACS 5-Year Data 2019 – 2023	MN MPA	Minnesota Population	Percentage
Population	134,394	5,713,716	2.35% of total MN population
Fatalities	3.6	420.8	0.86% of total fatalities
Serious Injuries	8.4	1745.6	0.48% of total serious injuries
Non-Motorized Fatalities and Serious Injuries	1.0	285.4	0.35% of non-motorized fatalities and serious injuries

Targets

Minnesota State Performance Measure Targets		
1.	Number of Fatalities	352.4
2.	Rate of Fatalities	0.582
3.	Number of Serious Injuries	1463.4
4.	Rate of Serious Injuries	2.470
5.	Number of Non-Motorized Fatalities and Serious Injuries	258.4

Summary

Based on the Target Assessment tables for each state that indicate that the ND portion of our MPA is meeting or making significant progress towards the targets previously adopted. Metro COG requests that Policy Board approve the attached resolutions for each state that are in support of adopting the statewide Performance Measure 1 – Safety Targets, as these targets are in line with the actual performance data displayed in this memo.

Once approved by the Policy Board, the resolutions will be signed and distributed to the applicable jurisdictions and programming will occur in accordance.

TTC reviewed this item on February 13, 2025, and recommended approval.

Requested Action: Support of MnDOT's 2025 Safety Performance Measures by signing the enclosed MnDOT resolution.

**RESOLUTION 2025-R011
OF THE FARGO-MOORHEAD
METROPOLITAN COUNCIL OF GOVERNMENTS**

HSIP Performance Targets (PM 1) – Minnesota

WHEREAS, the U.S. Department of Transportation established five performance measures for the Highway Safety Improvement Program (HSIP) as detailed in 23 CFR 490, Subpart B, National Performance Measures for the Highway Safety Improvement Program;

WHEREAS, the Minnesota Department of Transportation (MnDOT) established performance targets for each of the five HSIP performance measures in accordance with 23 CFR 490.209; and

WHEREAS, metropolitan planning organizations (MPOs) must establish performance targets for each of the HSIP performance measures; and

WHEREAS, MPOs establish HSIP targets by either agreeing to plan and program projects so that they contribute to the accomplishment of the State DOT HSIP target or commit to a quantifiable HSIP target for the metropolitan planning area; and

NOW, THEREFORE, BE IT RESOLVED, that the Fargo-Moorhead Metropolitan Council of Governments agrees to plan and program projects so that the projects contribute to the accomplishment of MnDOTs calendar year 2025 HSIP targets for the following performance measures:

- Number of fatalities: 352.4;
- Rate of fatalities: 0.582 per 100 million vehicle miles traveled;
- Number of serious injuries: 1463.4;
- Rate of serious injuries: 2.470 per 100 million vehicle miles traveled; and,
- Number of non-motorized fatalities and non-motorized serious injuries: 258.4.

Approved this 20th day of February, 2025.



Jenny Mongeau
Metro COG Policy Board Chair



Ben Griffith
Metro COG Policy Board Secretary



To: Policy Board
From: Karissa Pavek
Date: February 14, 2025
Re: Performance Measure 1 (PM 1) – Highway Safety – North Dakota

Overview

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5. Number of Non-Motorized Fatalities and Serious Injuries

As a Metropolitan Planning Organization (MPO), Metro COG is required by the Federal Highway Administration (FHWA) to:

1. Agree to program projects in each state's portion of the Metropolitan Planning Area (MPA) to support the performance targets established by the North Dakota State Department of Transportation (NDDOT) and/or
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After analysis of the data provided, Metro COG requests that the Policy Board support the Minnesota Safety Performance Measure Targets.

Below is an example of the table used by Federal Highway Administration (FHWA) to determine if a state has met or made significant progress towards their Safety Performance Targets.

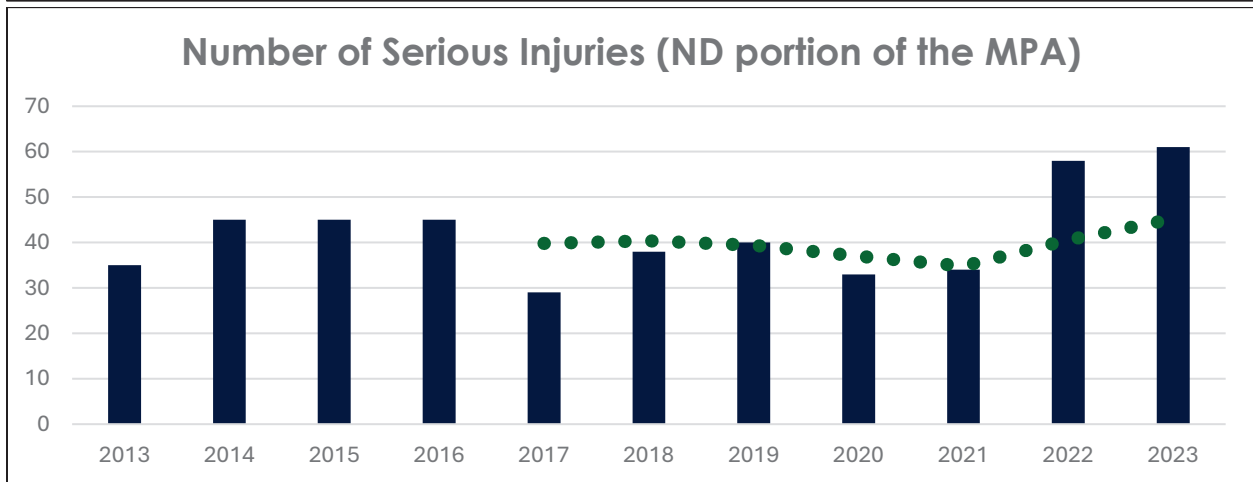
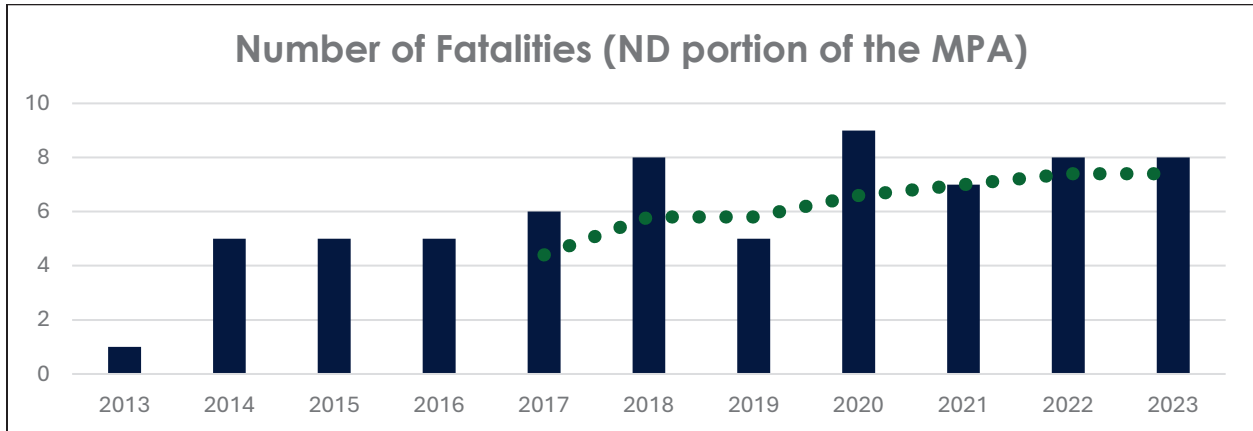


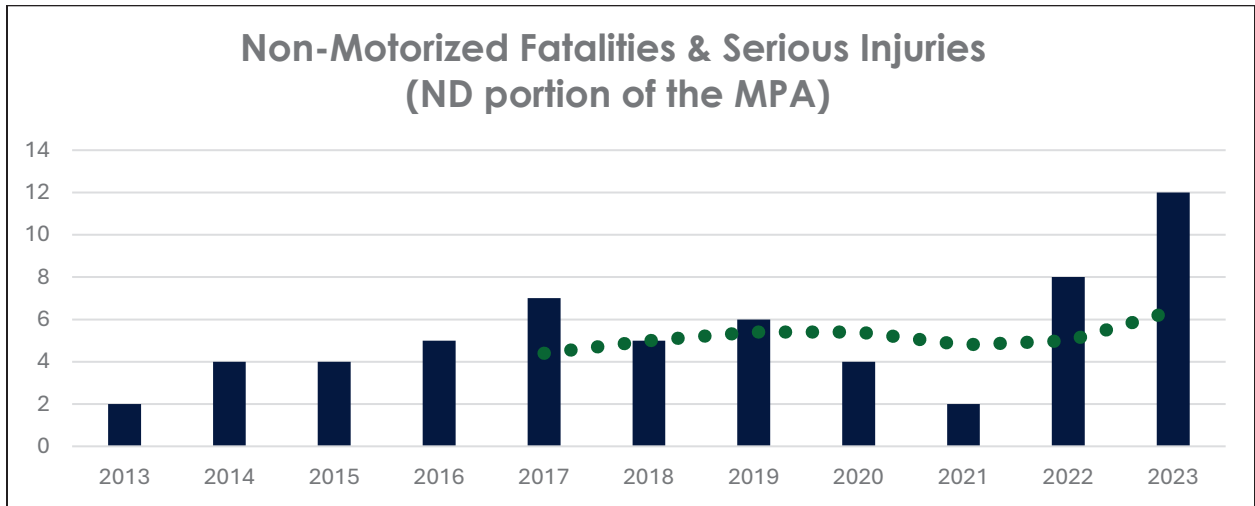
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Performance Measure	5-year Rolling Averages			Target Achieved?	Better than Baseline?	Met or Made Significant Progress?
	TARGET 2016 – 2020 ^A	ACTUAL 2016– 2020 ^B	BASELINE 2014– 2018 ^C			
Number of Fatalities	465	472.4	474	No	✓ Yes	Yes (4 out of 5 targets met or made significant progress)
Fatality Rate	0.980	0.990	0.998	No	No	
Number of Serious Injuries	2,560.0	2,778.4	2,700.2	No	✓ Yes	
Serious Injury Rate	4.126	4.214	4.288	No	✓ Yes	
Number of Non-motorized Fatalities and Serious Injuries	108.0	107.6	113.2	✓ Yes	N/A	

(A) CY 2020 Targets are established and reported in the August 31, 2019 HSIP Annual Report.
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Trend Analysis





State Performance

2023 Performance Measure 1 Target Assessment – North Dakota						
2019-2023 Assessment Table	5-Year Rolling Averages			Assessment of the State of North Dakota		
	North Dakota 2017-2021 Baseline Performance	North Dakota Statewide 2019-2023 Targets	North Dakota 2019-2023 Actual Performance	Statewide Target Achieved? Compares to state goal	Better than Baseline?	Met or Made Significant Progress?
*Evaluated based on 5 year Rolling average						
Number of Fatalities	104.4	100.2	101.0	No	Yes	No
Fatality Rate (per 100M VMT)	1.102	1.075	1.076	No	Yes	
Number of Serious Injuries	405.2	405.2	426.8	No	No	
Serious Injury Rate (per 100M VMT)	4.286	4.335	4.550	No	No	
Number of Non-Motorized Fatalities & Serious Injuries	34.2	35.1	34.2	Yes	No	



MPA Performance

2023 Performance Measure 1 Target Assessment – ND portion of the MPA						
2019-2023 Assessment Table *Evaluated based on 5 year Rolling average	5-Year Rolling Averages			Assessment of the State of North Dakota		
	ND MPA 2017-2021 Baseline Performance	North Dakota Statewide 2019-2023 Targets	ND MPA 2019-2023 Actual Performance	Statewide Target Achieved? Compares to state goal	Better than Baseline?	Met or Made Significant Progress?
Number of Fatalities	7.0	100.2	7.4	Yes	No	Yes
Fatality Rate (per 100M VMT)	0.384	1.075	0.522	Yes	No	
Number of Serious Injuries	34.8	405.2	45.2	Yes	No	
Serious Injury Rate (per 100M VMT)	1.661	4.335	2.993	Yes	No	
Number of Non-Motorized Fatalities & Serious Injuries	4.80	35.1	6.4	Yes	No	

Population Methodology

To see how the North Dakota portion of Metro COG's MPA performed we needed to find a common denominator for the number of Fatalities and number of Serious Injuries. This common denominator used was the percentage of the population represented in our MPA. The data was sourced from the American Community Survey 5-year average 2019 – 2023. For North Dakota our MPA represents **26.9%** percent of the total statewide population. If the portion of the ND MPA actual performance was less than 26.9% of the statewide performance, it was considered that the target was met.

$$\frac{ND\ MPA\ 209,953}{ND\ Population\ 779,361} = ND\ portion\ of\ MPA\ is\ 26.9\%$$

The rate of fatalities and the rate of serious injuries already had a common denominator of 100 million vehicle miles traveled (VMT).

ACS 5-Year Data 2019 – 2023	ND MPA	North Dakota Population	Percentage
Population	209,953	779,361	26.94% of total ND population
Fatalities	7.4	101.0	7.33% of total fatalities
Serious Injuries	34.8	426.8	8.15% of total serious injuries
Non-Motorized Fatalities and Serious Injuries	4.80	34.2	14.03% of non-motorized fatalities and serious injuries

Targets

NDDOT Targets 2025		
1.	Number of Fatalities	100.2
2.	Fatality Rate per 100 VMT	1.075
3.	Number of Serious Injuries	405.2
4.	Serious Injuries Rate per 100 VMT	4.335
5.	Non-Motorized Fatalities and Serious Injuries	35.1

Summary

Based on the Target Assessment tables for each state that indicate that the ND portion of our MPA is meeting or making significant progress towards the targets previously adopted. Metro COG requests that Policy Board approve the attached resolutions for each state that are in support of adopting the statewide Performance Measure 1 – Safety Targets, as these targets are in line with the actual performance data displayed in this memo.

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TTC reviewed this item on February 13, 2025, and recommended approval.

Requested Action: Support of NDDOT's 2025 Safety Performance Measures by signing the enclosed NDDOT resolution.

**RESOLUTION 2025-R010
OF THE FARGO-MOORHEAD
METROPOLITAN COUNCIL OF GOVERNMENTS**

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NOW, THEREFORE, BE IT RESOLVED, that the Fargo-Moorhead Metropolitan Council of Governments agrees to plan and program projects so that the projects contribute to the accomplishment of NDDOTs calendar year 2025 HSIP targets for the following performance measures:

- Number of fatalities: 100.2;
- Rate of fatalities: 1.075 per 100 million vehicle miles traveled;
- Number of serious injuries: 405.2
- Rate of serious injuries: 4.335 per 100 million vehicle miles traveled; and,
- Number of non-motorized fatalities and non-motorized serious injuries: 35.1.

Approved this 20th day of February, 2025.



Jenny Mongeau
Metro COG Policy Board Chair



Ben Griffith
Metro COG Policy Board Secretary