Niles-Buchanan-Cass Area Transportation Study
Transportation Performance Measure Targets
Updated December 2024

Safety

Performance Measure	NATS Baseline Data		Statewide Baseline Data		2023 State Target	2025 State Target
	2017-2021	2019-2023	2017-2021	2019-2023		
Number of fatalities.	9.8	10.4	1041.8	1,085.2	1,105.6	1,098.0
Fatalities per 100 million vehicle miles traveled (VMT).	1.994	2.102	1.071	1.137	1.136	1.113
Number of serious injuries.	45.8	41.6	5,5742.2	5,527.8	5,909.2	5.770.1
Serious injuries per 100 million vehicle miles traveled (VMT).	9.368	8.539	5.878	5.988	6.058	5.850
Non-motorized fatalities, serious injuries.	3.4	3	752.0	743.0	743.4	728.3

*Safety Performance measures are based on a 5-yuear average

Travel Time Reliability

Performance Measure	2021 Baseline SWMPC *	2021 Baseline Statewide	2 yr. Targets – 2023 Statewide	4 yr. Targets – 2025 Statewide
Percentage of the person-miles traveled on the Interstate that are reliable.	100%	97.10%	80.00%	80.00%
Percentage of the person-miles traveled on the non-Interstate NHS that are reliable.	95.9%	94.40%	75.00%	75.00%
Truck Travel Time Reliability (TTTR) Index (interstate only)	1.12	1.31	1.60	1.60

*Due to the lack of Interstate in the NATS area, and difficulties in data collection, The reliability measures cover both the NATS & TwinCATS planning area

Pavement Condition

Performance Measure	2021 Baseline NATS	2021 Baseline Statewide	2 yr. Targets – 2023 Statewide	4 yr. Targets – 2025 Statewide
Percentage of pavement on the Interstate System in good condition.	NA	70.40%	59.20%	56.70%
Percentage of pavement on the Interstate System in poor condition.	NA	1.80%	5.00%	5.00%
Percentage of pavement on the non-Interstate National Highway System in good condition.	26.9%	41.60%	33.10%	33.10%
Percentage of pavement on the non-Interstate National Highway System in poor condition.	35.5%	8.90%	10.00%	10.00%

Bridge Condition

Performance Measure	2021 Baseline NATS	2021 Baseline Statewide	2 yr. Targets – 2023 Statewide	4 yr. Targets – 2025 Statewide
Percentage of National Highway System (NHS) bridge deck area in good condition.	3%	70.40%	59.20%	56.70%
Percentage of National Highway System (NHS) bridge deck area in poor condition.	0%	1.80%	5.00%	5.00%

CMAQ Total Emission Reduction Targets for On-Road Mobile Source Emissions

Performance Measure	Baseline 2021 Statewide	2-yr. target – 2023 Statewide	4 yr. Target – 2025 Statewide
State Total Emission Reduction: PM2.5	1,527.49	595.00	1,191.00
State Total Emission Reduction: NOx	13,118.82	5,227.00	10,455.00
State Total Emission Reduction: VOC	5,246.55	2,295.00	4,590.00

Cumulative 2-year and 4-year targets, measured in kg/day

CMAQ Traffic Congestion Targets – South Bend Urbanized Area

Performance Measure	Baseline Values 2021 South Bend UA	2-yr. target –2023 South Bend UA	4 yr. Target – 2025 South Bend UA
Annual Hours of Peak Hour Excessive Delay Per Capita *(NPMRDS/HPMS-AADT)*	0.6 hours	2.0 hours	2.0 hours
Percent of Non-Single Occupancy Vehicle (Non-SOV) Travel *(ACS Journey to Work Data)*	20.6%	18.0%	18.0%

Transit State of Good Repair – Niles Dial A Ride Transit

Performance Measure	Asset	Base Data – 2019 NDART	Target – 2020 NDART
Rolling stock in a state of good repair	6 Cutaway Buses	43% exceed ULB	29% exceed ULB
Non-Revenue Vehicles in a state of good repair	1 Truck with snow plow	100% exceed ULB	100% exceeds ULB
Facilities in a state of good repair	Administration/Maintenance Building	1 rated 3 on TERM scale.	0% rated below a 3.0 on the FTA TERM Scale

Transit Safety – Niles Dial A Ride Transit

Service Mode	Fatalities	Fatalities per 100K VRM	Injuries	Injuries per 100K VRM	Safety Events	Safety Events per 100K VRM	System Reliability VRM/Failures
Demand Response	0	0	2	.2	2	.2	95,000
Fixed Route	0	0	0	0	1	.46	20,000

From the Niles Dial A Ride Transit Safety Plan Published on December 20, 2018